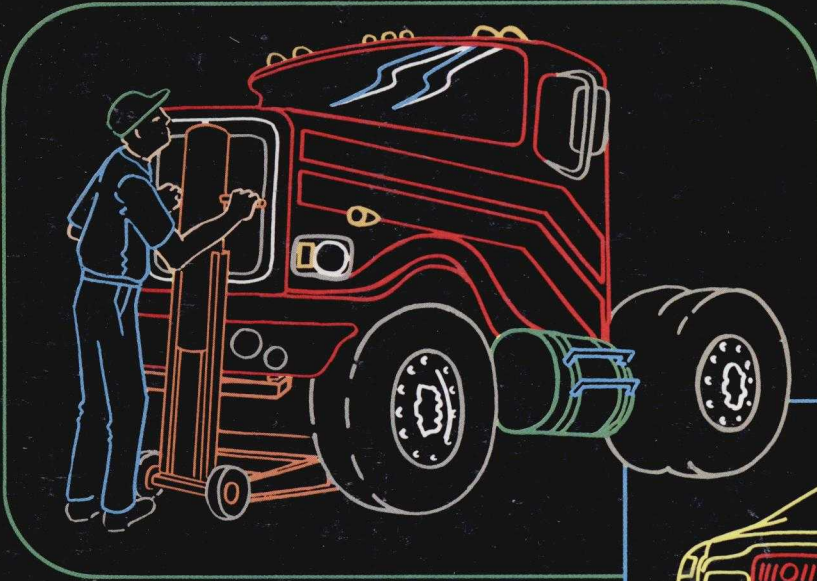
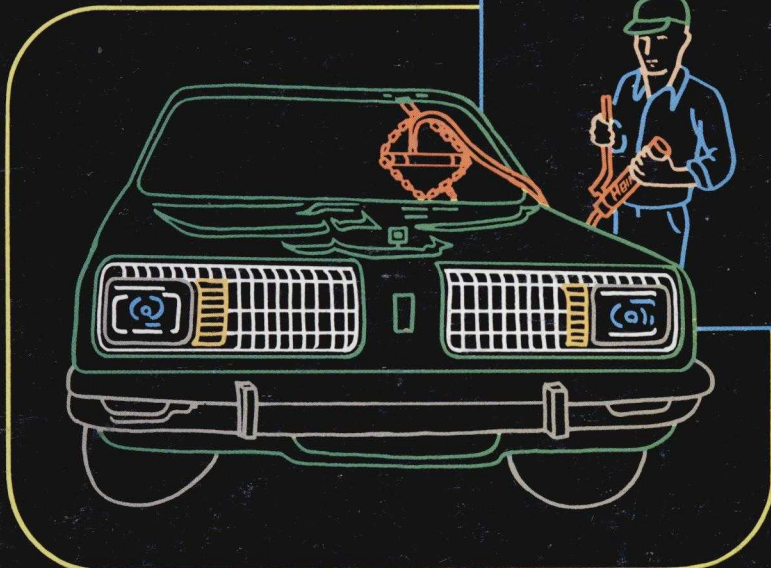


Hein-Werner®



**HYDRAULIC
LIFTING EQUIPMENT
BODY/FRAME
REPAIR EQUIPMENT**



HAND JACKS SERVICE JACKS TRANSMISSION JACKS END LIFTS VEHICLE STANDS

PRESSES CRANES PUMPS RAMS

SPRINT KITS HAND JACK

Hein-Werner Solid Quality You Can Rely On!

Check out a Hein-Werner jack and you'll see what we mean. Heavy steel construction, rugged castings, smooth operation . . . features that are readily apparent. But there's more to Hein-Werner quality than meets the eye. Things that give years of dependable service. Like precise tolerances, quality components, sound design, and thorough testing. Plus a commitment to quality that has made Hein-Werner a leader in the industry for years.

Hein-Werner quality comes in every type of jack you need: service jacks, hand jacks, transmission jacks, end lifts, vehicle stands, presses, cranes etc. Plus a complete line of body/frame repair equipment with the same rugged quality.

Quality Service Too!

Over 200 Authorized Service Centers nationwide. Located in most major metropolitan areas, Hein-Werner Service Centers have the knowledge, experience and equipment to provide quality service. Complete inventories of parts, accessories and hydraulic oils assure prompt service too!

WARRANTY TO COMMERCIAL CUSTOMERS

Hein-Werner warrants its products to be free from defects in materials and workmanship for a period of 90 days from the date of original sale to user. Any product proved to Hein-Werner's satisfaction to be defective during that 90-day period will be repaired or replaced, at Hein-Werner's option, if returned to the nearest official service center, transportation charges prepaid. A full and complete explanation of the complaint, and proof of purchase date, must accompany the product. Hein-Werner's sole obligation and buyer's exclusive remedy under this warranty is limited to such repair or replacement.

HEIN-WERNER SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES INCLUDING BUT NOT LIMITED TO LOSS OR DAMAGE RESULTING FROM USE OR LOSS OF USE OF HEIN-WERNER PRODUCTS WHATSOEVER, WHETHER BASED ON BREACH OF CONTRACT, BREACH OF WARRANTY, NEGLIGENCE OR OTHER TORT, OR ANY STRICT LIABILITY THEORY.

Limitations. This warranty does not apply to products subjected to accident, damage by circumstances beyond Hein-Werner's control, improper operation, maintenance or storage, or to other than normal application, use or service.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Product specifications subject to change without notice.

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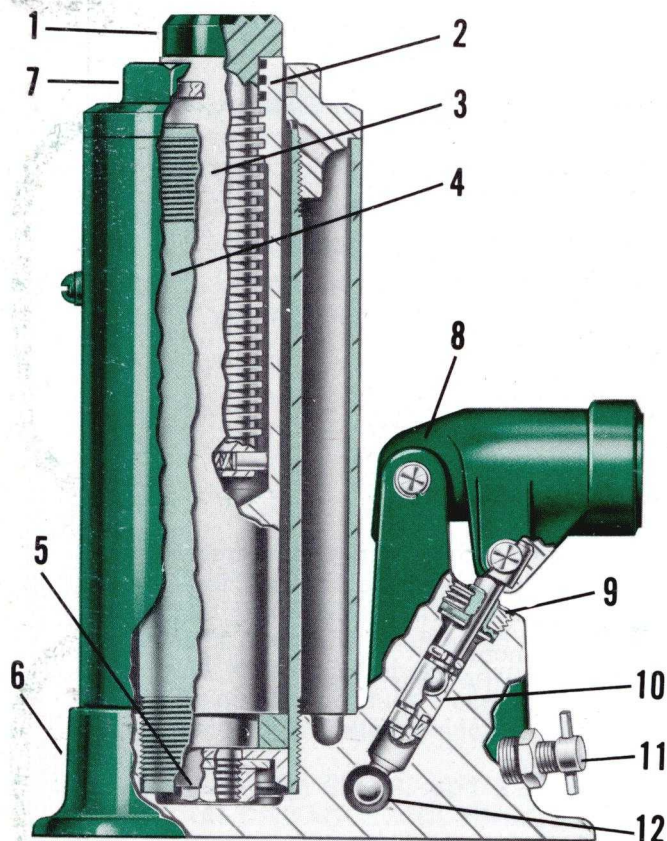
CORRECTION NOTICE

Refer to Numerical Product Index, page 51 and 52 for late corrections.

HAND JACKS

Hein-Werner manufactures the most complete line of hydraulic hand jacks in the U.S.A. today. Known for their high quality and rugged dependability, each jack is individually

load tested at the factory. Ranging in capacity from 1-1/2 thru 100 tons, Hein-Werner hand jacks meet the varied lifting requirements of the automotive industry, fleets, farms, general maintenance, construction and the home workshop. All jacks can be operated in the horizontal position for pushing and spreading applications. All 3 ton thru 100 ton hand jacks are equipped with a hydraulic bypass circuit which prevents ram overtravel. Convenient carrying handles are provided on models E12.9A, 20.10AA and 20.10AAG for carrying and positioning. And if service is required, Hein-Werner hand jacks are fully rebuildable.



Compare These Important Features

1. One piece, heat-treated extension screw on 1-1/2 thru 12 ton models.
2. Top nut packing, helps keep contaminants from entering cylinder.
3. Precision ground ram insures smooth lifting action.
4. Heavy-wall, steel pressure cylinder.
5. Durable ram cups provide long, trouble-free service.
6. Bases on 1-1/2 thru 12 ton models are heavy, rugged castings. Solid steel bases on 20 thru 100 ton models provide stability.

7. Heavy, cast-iron top nut provides a positive guide for the ram.
8. Cast handle socket is pinned directly to base.
9. Packing nut provides a positive travel stop. Rod wiper helps keep contaminants from entering jack.
10. Patented jointed pumping piston on 1-1/2 thru 12 ton models is self-aligning and provides extended piston life.
11. Positive action release valves with packing nuts and seals are conveniently located and protected from damage by the jack base.
12. Hydraulic valve circuitry is easily accessible when service is required.

V1.22A Hydraulic Utility Jack. Designed for special applications, the long ram travel is ideally suited for use in lifting tables, conveyors and similar O.E.M or specialty products. Ram extends 7/8" above top nut in retracted position.

V1.23A Hydraulic Bumper Lift. This 3000 lb. capacity automotive bumper lift features a long, flexible roller chain and double hook attachment. One hook is designed to engage bumper slots, while the other can be used to lift at the bumper lip. A wide range of lifting heights is provided by 18-3/4" of hydraulic lift, plus 13-3/4" of chain adjustment.



Model V1.22A
Part Code 07877
1-1/2 Ton Capacity

Model V1.23A
Part Code 60001
1-1/2 Ton Capacity

SPECS	Model V1.22A	Model V1.23A
Capacity	1-1/2 tons (1361 kg)	1-1/2 tons (1361 kg)
Low Height	21-7/8"	22-3/4"
Ram Travel	18-3/4"	18-3/4"
Chain Adjustment	—	4-1/2"—18-1/4"
Max. Height	40-5/8"	41-1/2"
Base Size	5-1/16" x 3-1/4"	5-1/16" x 3-1/4"
Effective Ram Area	.69 sq. in.	.69 sq. in.
Gauge Port	No	No
Shipping Weight	16 lbs.	19 lbs.
Part Code	07877	60001

WARNING: These products are lifting devices only. Always use appropriate capacity vehicle stands to support vehicle before getting under it for any reason. Study, understand and follow all operating instructions provided with the product.

Model E1.7F
Part Code 60226
1-1/2 Ton Capacity



Model E3.9A
Part Code 60243
3 Ton Capacity

Model E5.9A
Part Code 60278
5 Ton Capacity



Model E8.9A
Part Code 60300
8 Ton Capacity



Model E12.9A
Part Code 60330
12 Ton Capacity

SPECS	Model E1.7F	Model E3.9A	Model E5.9A	Model E8.9A	Model E12.9A
Capacity	1-1/2 tons (1361 kg)	3 tons (2722 kg)	5 tons (4536 kg)	8 tons (7257 kg)	12 tons (10886 kg)
Low Height	7"	9"	9"	9"	9"
Ram Travel	5-1/4"	6-1/2"	6-1/2"	6-7/16"	6"
Screw Extension	2"	2"	3"	4-9/16"	3"
Max. height	14-1/4"	17-1/2"	18-1/2"	20"	18"
Base Size	5-1/16" x 3-1/4"	5-5/8" x 3-3/4"	5-13/16" x 4-1/4"	6-5/8" x 4-5/8"	7-1/4" x 5-3/8"
Effective Ram Area	.69 sq. in.	1.23 sq. in.	1.76 sq. in.	2.40 sq. in.	3.14 sq. in.
Gauge Port	No	No	No	Yes	Yes
Shipping Weight	9 lbs.	14 lbs.	16 lbs.	21 lbs.	27 lbs.
Part Code	60226	60243	60278	60300	60330

Model 8.6A
Part Code 61333
8 Ton Capacity



Model 12.6A
Part Code 61335
12 Ton Capacity



Model 20.6AA
Part Code 61336
20 Ton Capacity

SPECS	Model 8.6A	Model 12.6A	Model 20.6AA
Capacity	8 tons (7257 kg)	12 tons (10886 kg)	20 tons (18144 kg)
Low Height	5-1/2"	6"	6-1/2"
Ram Travel	3"	3"	3"
Screw Extension	—	—	—
Max. Height	8-1/2"	9"	9-1/2"
Base Size	6-5/8" x 4-5/8"	7-1/4" x 5-3/8"	7" x 5-1/2"
Effective Ram Area	2.4 sq. in.	3.14 sq. in.	4.9 sq. in.
Gauge Port	Yes	Yes	No
Shipping Weight	17 lbs.	22 lbs.	35 lbs.
Part Code	61333	61335	61336

"Shorty" Hydraulic Jacks. These low profile hand jacks are available in 8, 12 and 20 ton capacities, and are designed for lifting in confined areas.

WARNING: These products are lifting devices only. Always use appropriate capacity vehicle stands to support vehicle before getting under it for any reason. Study, understand and follow all operating instructions provided with the product.

HAND JACKS



Model 20.10AA
Part Code 14995
20 Ton Capacity

Model 20.10AAG
Part Code 15025
20 Ton Capacity



Model 30.11AA
Part Code 15375
30 Ton Capacity



Model 50.12AA
Part Code 15895
50 Ton Capacity



Model 100.12AA
Part Code 16005
100 Ton Capacity

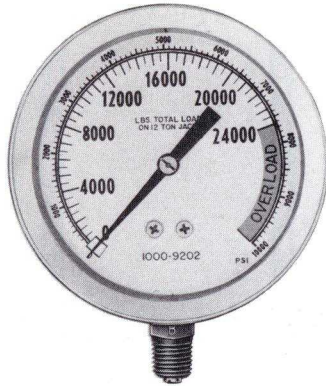
The 20, 30, 50 and 100 Ton Jacks Feature a solid steel base which provides a broad, flat surface for maximum stability and ease of mounting. Dual release valves are recessed into the base on 30, 50 and 100 ton models, enabling the operator to lower the load from either side of the jack. These three models also feature a built-in relief valve to prevent overload damage. The 30, 50 and 100 ton jacks are equipped with twin pumping pistons — one for high speed to contact the load quickly, the other for full capacity load lifting. Fold-away handles on 50 and 100 ton models facilitate carrying and positioning.

SPECS	Model 20.10AA	Model 20.10AAG	Model 30.11AA	Model 50.12AA	Model 100.12AA
Capacity	20 tons (18144 kg)	20 tons (18144 kg)	30 tons (27216 kg)	50 tons (45359 kg)	100 tons (90718 kg)
Low Height	10"	10"	11"	12"	12"
Ram Travel	6-1/2"	6-1/2"	7"	7"	6-1/8"
Max. Height	16-1/2"	16-1/2"	18"	19"	18-1/8"
Base Size	7" x 5-1/2"	7" x 5-1/2"	8-9/16" x 6"	10-1/16" x 7-1/2"	12-1/16" x 9-1/2"
Effective Ram Area	4.9 sq. in.	4.9 sq. in.	7.07 sq. in.	11.04 sq. in.	19.63 sq. in.
Gauge Port	No	Yes	Yes	Yes	Yes
Shipping Weight	44 lbs.	44 lbs.	71 lbs.	121 lbs.	202 lbs.
Part Code	14995	15025	15375	15895	16005

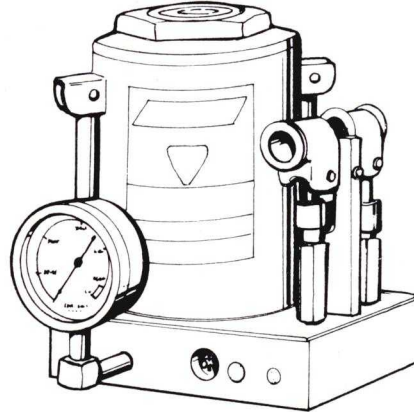
WARNING: These products are lifting devices only. Always use appropriate capacity vehicle stands to support vehicle before getting under it for any reason. Study, understand and follow all operating instructions provided with the product.

GAUGES

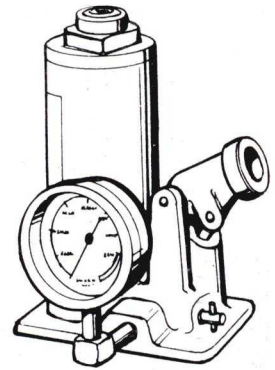
Hydraulic Gauges are used to measure the load on the jack, and are available for all jacks from 8 thru 100 tons. Hein-Werner gauges feature stainless steel and anodized aluminum construction, and are accurate to within $\pm 1\%$. Large 3-1/2" diameter face provides easy readings. All gauges are furnished with adapters to facilitate mounting.



Typical
Hydraulic Hand
Jack Gauge



Gauge Location
20 Thru 100 Ton Hand Jacks



Gauge Location
8 and 12 Ton Jacks

HYDRAULIC GAUGES

Model	Part Code*	For Use With	Scale Reading in Lbs.	Scale Reading in PSI	Increments of Measure - Lbs.
8G	62630	8 ton	0-16,000	0-10,000	250
12G	62629	12 ton	0-24,000	0-10,000	500
20G	62628†	20 ton	0-40,000	0-10,000	500
30G	62627	30 ton	0-60,000	0-10,000	1000
50G	62631	50 ton	0-100,000	0-10,000	2000
100G	62632	100 ton	0-200,000	0-15,000	4000

*Includes gauge adapter.

†To use with Hein-Werner 20 Ton Jack, order jack Model 20.10AAG, Part Code 15025.



Part Code 60179
Gallon Container
(Packed 4/Ctn)



Part Code 60180
Quart Container
(Packed 12/Ctn)



HYDRAULIC OIL

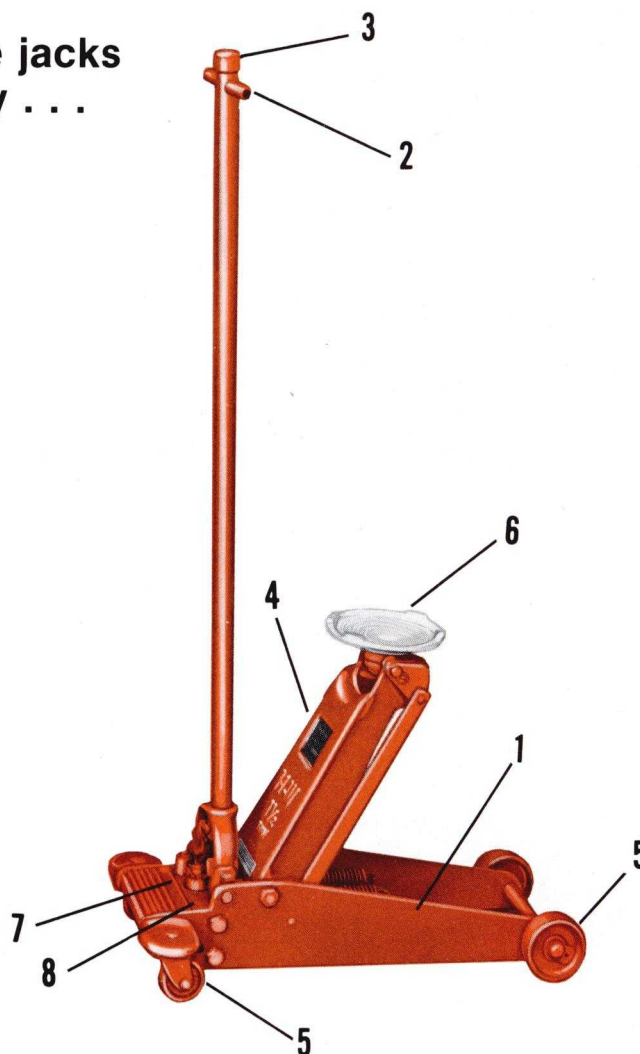
Hydraulic Jack Oil. Hein-Werner Hydraulic Jack Oil gives the demanding professional the same high quality Hein-Werner builds into every product. This specially formulated oil is paraffin based, and has a stable viscosity over a wide range of temperatures. Other features include:

- Anti-foaming.
- Anti-wear.
- Improves seal life.
- Rust inhibiting.
- Pour point - 35° F.

AUTOMOTIVE SERVICE JACKS

Here's why Hein-Werner service jacks set the standard for the industry . . .

1. Heavy gauge steel side plates provide added strength.
2. "T" grip handles for easy maneuvering.
3. Gear type release valve is controlled from top of handle—away from load. Works with handle in any position.
4. Heavy-duty cast iron lift arms for durability.
5. Rugged beveled, cast iron front wheels and 360° swivel casters. Casters swivel on ball bearings for smooth operation.
6. Heavy cast swivel saddles facilitate dollying. Saddles are painted white for easy spotting.
7. Built-in relief valves prevent over-loading.
8. Replacement power units available for all models.



Model RS Road Service Jack.

A rugged, dependable 1-1/4 ton portable service jack. Perfect for road service, around the garage, or at the speedway. Two piece handle stores in special holders for convenient carrying and storage. When in use, handle locks into handle socket making positioning easy. Release valve operated by rotating pumping handle. No need to remove handle to lower the load.

Specifications

Capacity	1-1/4 tons (1134 kg)
Saddle Low Height	4-1/2"
Saddle High Height	18-3/4"
Chassis Length	24"
Wheel Diameter	2-5/16"
Shipping Weight	43 lbs.
Part Code	62780
Replacement Unit	URS, Part Code 62817



Model RS
Part Code 62780
1-1/4 Ton Capacity

WARNING: These products are lifting devices only. Always use appropriate capacity vehicle stands to support vehicle before getting under it for any reason. Study, understand and follow all operating instructions provided with the product.



Model OS
Part Code 05285
1-1/4 Ton Capacity



Model WS
Part Code 05275
1-1/2 Ton Capacity

Model OS - Economical and Compact.

Designed for light shop and road service work, this jack offers the same high quality features found on heavier Hein-Werner service jacks. Handle assembly quickly detaches for transport or storage.

Model WS, WSR - The Professionals Choice.

The service jack most often requested by the professional mechanic. Ideal for service station and road service work. Handle assembly removes easily for transporting or storing. Model WSR features rubber wheels and casters for use where floor protection is a factor.

SPECS	Model OS	Model WS, WSR*
Capacity	1-1/4 tons (1134 kg)	1-1/2 tons (1361 kg)
Saddle Low Height	4-3/4"	4-3/4"
Saddle High Height	17-1/8"	20-1/4"
Chassis Length	25-3/8"	28-3/8"
Handle Length	50"	49-1/2"
Overall Length	70-1/4"	72-3/8"
Frame Height	5-3/4"	6"
Saddle Diameter	5-1/2"	7"
Front Wheel Diameter	3-15/16"	3-15/16"
Rear Caster Diameter	2-5/8"	2-5/8"
Shipping Weight	74 lbs.	100 lbs.
Part Code	05285	05275 WS 63195 WSR
Replacement Unit	Model UO Part Code 05317	Model UW Part Code 05321

*Model WSR is equipped with rubber wheels and casters.

WARNING: These products are lifting devices only. Always use appropriate capacity vehicle stands to support vehicle before getting under it for any reason. Study, understand and follow all operating instructions provided with the product.

AUTOMOTIVE SERVICE JACKS



Model WS-II
Part Code 65546
2 Ton Capacity



Model K
Part Code 05270
2 Ton Capacity

Model WS-II - A 2 Ton Version of the Professionals Choice. New high capacity construction, plus the same high quality features that have made the WS our best selling service jack. Extra compact chassis is only 28-3/8" long. A real value in a 2 ton service jack.

Model K - Deluxe Short Chassis. Designed for heavy lifting in confined areas, this short chassis jack features a three position handle lock and roller bearing front wheels for easier maneuvering. Both the handle lock and release valve are controlled from the handle top. A full 90° pumping arc makes this jack perfect for close quarter work.

SPECS	Model WS-II	Model K
Capacity	2 tons (1814 kg)	2 tons (1814 kg)
Saddle Low Height	4-3/4"	4-3/4"
Saddle High Height	20-1/4"	24-1/2"
Chassis Length	28-3/8"	30"
Handle Length	49-1/2"	46-1/4"
Overall Length	72-3/8"	80"
Frame Height	6"	6-3/4"
Saddle Diameter	7"	7-3/8"
Front Wheel Diameter	3-15/16"	3-15/16"
Rear Caster Diameter	2-5/8"	2-5/8"
Shipping Weight	100 lbs.	125 lbs.
Part Code	65546	05270
Replacement Unit	Model UWS-II Part Code 65580	Model UK Part Code 05320

WARNING: These products are lifting devices only. Always use appropriate capacity vehicle stands to support vehicle before getting under it for any reason. Study, understand and follow all operating instructions provided with the product.



Model M
Part Code 05290
2 Ton Capacity



Model GH
Part Code 61158
4 Ton Capacity

Model M, MR - Long Chassis. This 47" long chassis jack is specifically designed to reach the undercarriage of heavy vehicles with a large overhang. Two position handle lock, roller bearing front wheels, and casters located at the chassis balance point make maneuvering a snap. High and low speed pump pistons provide high speed to contact the load . . . full power to lift the load. Handle lock and release valve controls are located in the top of the handle. Handle has a 90° pumping arc. Model MR is equipped with rubber wheels and casters for use where floor protection is a factor.

Model GH - Big 4 Ton Capacity. Like the Model M, this 8000 lb. capacity service jack features two position handle lock, roller bearing front wheels, 90° pumping arc and 2-speed pump action. For extra protection, weep hole in the cylinder prevents ram overtravel. Also ideal for light trucks.

SPECS	Model M, MR*	Model GH
Capacity	2 tons (1814 kg)	4 tons (3629 kg)
Saddle Low Height	4-5/8"	5"
Saddle High Height	25-1/2"	25-1/2"
Chassis Length	47"	47"
Handle Length	46"	46"
Overall Length	91-1/4"	91-1/4"
Frame Height	7"	7"
Saddle Diameter	7-3/8"	7-3/8"
Front Wheel Diameter	3-15/16"	4"
Rear Caster Diameter	2-5/8"	2-13/16"
Shipping Weight	149 lbs.	185 lbs.
Part Code	05290 M	61158
	63201 MR	
Replacement Unit	Model UM	Model UGH
	Part Code 05322	Part Code 05324

*Model MR is equipped with rubber wheels and casters.

WARNING: These products are lifting devices only. Always use appropriate capacity vehicle stands to support vehicle before getting under it for any reason. Study, understand and follow all operating instructions provided with the product.

TRUCK SERVICE JACKS

Hein-Werner Truck Service Jacks are designed to meet the lifting needs of truck fleet repair shops, farm and construction equipment maintenance facilities, truck dealers and bus garages. All the high quality features found in the smaller service jacks, plus special heavy-duty features, make light work of those heavy lifts. Choose manual/hydraulic or labor saving air/hydraulic operated . . . both have the powerful dependability to handle the big jobs.



Model X-10
Part Code 05085
10 Ton Capacity



Model R-20
Part Code 61350
20 Ton Capacity

MODEL X-10. 20,000 Lbs. of Lift. Two position handle lock, large roller bearing front wheels, and strategically located 360° swivel casters make easy work of maneuvering this heavy-duty truck service jack. Convenient 90° pumping arc and 2-speed lift save time and effort. High-speed lift to contact the load . . . high power lifts the load with low handle effort. Handle lock and release control are located in handle top. Weep hole in the cylinder prevents ram overtravel.

Model R-20. 40,000 Lbs. of Lift. All the same heavy-duty features found in the X-10, plus dual wheel swivel casters mounted at the balance point for easy positioning.

SPECS	Model X-10	Model R-20
Capacity	10 tons (9072 kg)	20 tons (18144 kg)
Saddle Low Height	6-1/2"	7-3/8"
Saddle High Height	26-1/2"	26"
Chassis Length	60"	61"
Handle Length	46"	46"
Overall Length	104"	105"
Frame Height	10"	10"
Saddle Diameter	7-1/8"	8"
Front Wheel Diameter	6"	6-3/4"
Rear Caster Diameter	3-15/16"	3-7/8"
Shipping Weight	372 lbs.	580 lbs.
Part Code	05085	61350
Replacement Unit	UX-10	U20
	Part Code 05323	Part Code 05326

WARNING: These products are lifting devices only. Always use appropriate capacity vehicle stands to support vehicle before getting under it for any reason. Study, understand and follow all operating instructions provided with the product.



Model TJ-20
Part Code 65240
20 Ton Capacity

20 Ton Air/Hydraulic Truck Jacks for Shop and On or Off-Road Service

- Trucks
- Busses
- Trailers
- Farm Machinery
- Construction Equipment



Model AJ-20
Part Code 65499
20 Ton Capacity

Features: AJ-20 and TJ-20

- Lightweight and compact.
- Low height of only 9".
- Effortless, 2-speed air/hydraulic lift; High-speed to reach the load; Shifts to power-speed to lift the load.
- Fits between the wheels on tandem axles.
- Automatic overload protection prevents damage to system.
- Built-in, replaceable, in-line air filter protects system.
- Remote air control enables operator to view the lift.
- Holds load even if air supply is removed.
- Release control on handle for convenient operation (TJ-20).
- 6" x 1-1/2" semi-pneumatic wheels for easy maneuvering (TJ-20).
- Carry handle on AJ-20 makes it especially well suited for off-road service.

SPECS

Model AJ20 TJ-20

Capacity	20 tons (18144 kg)
Low Height	9"
Extension Screw Travel	4-1/4"
High Height	19-1/16"
Air Pressure Range	100-150 psi
Weight - AJ-20	45 lbs.
TJ-20	65 lbs.

WARNING: These products are lifting devices only. Always use appropriate capacity vehicle stands to support vehicle before getting under it for any reason. Study, understand and follow all operating instructions provided with the product.

END LIFTS



Model AL35-5
Part Code 64668
1-3/4 Ton Capacity

Model AL35-5 Underbody Air End Lift

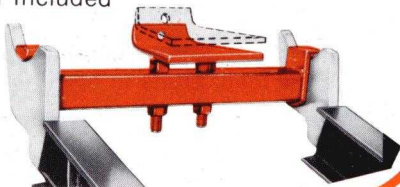
features steel channel welded frame construction. Long reach and high lift make this jack ideal for tire, wheel, shock, brake and exhaust service operations.

- Large twin air cylinders provide smooth, even lift.
- Locking system holds the load, even when air hose is disconnected.
- Large wheels located at the balance point facilitate maneuvering.

LOAD CAPACITY

Load Capacity @ 100 PSI . . . 2300 lbs.
Load Capacity @ 125 PSI . . . 3000 lbs.
Load Capacity @ 145 PSI . . . 3500 lbs.

Front Frame
Crossmember
Adapter Included



Model 57-2
Part Code 61273
1-1/2 Ton Capacity

Model 57-2 Hydraulic End Lift for service stations, repair garages and dealerships. Long carriage reach and wide saddle span allows lifting at bumper or chassis. Especially convenient for unibody vehicles.

- Swivel saddles adjust to meet the load.
- Heavy rubber saddle pads protect chrome.
- Automatic mechanical stops.
- Large rear wheels and spring mounted front caster for ease of maneuvering . . . better stability.
- Built-in overload protection.
- Fold-up lift arms for compact storage.



Dual Bumper Hook
Attachment Included

Model AL35-5 Specifications

Capacity	1-3/4 Ton (1588 kg)
Low Height - With Adapter	6"
Without Adapter	7-1/2"
High Height - With Adapter	55"
Without Adapter	53-1/2"
Lift	47-1/2"
Lifting Hook Spread	19-5/8"
Maximum Reach	66-1/4"
Chassis Length	80-3/4"
Chassis Height	35"
Chassis Width	35"
PSI for Rated Capacity	145
Shipping Weight	572 lbs.
Part Code	64668

Model 57-2 Specifications

Capacity	1-1/2 ton (1361 kg)
Low Height	9-1/4"
High Height	33"
Saddle Spread (Ctr-Ctr)	20" to 59"
Saddle Clearance to Frame	17"
Saddle Pad Size	6" x 4-1/2"
Wheel Diameter	8"
Shipping Weight	178 lbs.
Part Code	61273
Replacement Unit	U-57, Part Code 00552

WARNING: These products are lifting devices only. Always use appropriate capacity vehicle stands to support vehicle before getting under it for any reason. Study, understand and follow all operating instructions provided with the product.

Model AL-20
Part Code 64538
2 Ton Capacity



Model AL-25
Part Code 64827
2-1/2 Ton Capacity



Model AL-50
Part Code 64637
5 Ton Capacity

Models AL-20 and AL-25 Air End Lifts.

Perfect for high volume tire shops, dealerships and repair garages for brake, wheel and underbody service on cars and light trucks. Both twin-saddle air end lifts feature positive mechanical locks which automatically engage as jack is raised, and will sustain the load if air supply is disconnected. Locks must be manually released to lower the load. Other features include:

- Wide stance "V" base for excellent stability.
- Large wheels and spring mounted front caster for mobility plus stable lifting.
- Dual hook attachments included for lifting at bumper slots of most cars . . . including the GM X-Body vehicles.
- Rubber saddle pads protect vehicle, yet provide maximum contact for lifting.
- Hydraulic damper provides restraint if load is suddenly removed.

Model AL-50 Air End Lift. Provides 10,000 lbs. of lift for heavy-duty truck and fleet repair shops. Large 12" fully pneumatic wheels and a spring-mounted front caster makes maneuvering easy. Caster retracts under load allowing wide "V" base heavy channel frame to support the load. Automatic mechanical locks engage as load is raised, and will support load when air supply is disconnected. Hydraulic damper provides restraint if load is suddenly removed. Locks must be manually released before load can be lowered. 8-position saddles adapt to various load configurations.

SPECS	Model AL-20	Model AL-25	Model AL-50
Capacity	2 tons (1814 kg)	2-1/2 tons (2270 kg)	5 tons (4540 kg)
Low Height	9"	9"	13" to 20-3/8"
High Height	40"	40"	50-5/8" to 58"
Lift	31"	31"	37-5/8"
Saddle Spread	17-1/4" to 59-1/4"	17-1/4" to 59-1/4"	34-1/2" to 48-1/4"
Reach	17-1/4"	18"	13-3/8"
Column Height	49-1/4" to 80-1/4"	49-1/4" to 80-1/4"	68-3/8" to 106-3/8"
Wheel Diameter	8"	8"	12"
PSI @ Rated Capacity	165	170	185
Load Capacity @ 100 PSI	2525 lbs.	2625 lbs.	4550 lbs.
Load Capacity @ 125 PSI	2900 lbs.	3725 lbs.	6300 lbs.
Load Capacity @ 150 PSI	3725 lbs.	4150 lbs.	7850 lbs.
Load Capacity @ 165 PSI	4000 lbs.	4450 lbs.	9000 lbs.
Shipping Weight	218 lbs.	286 lbs.	558 lbs.
Part Code	64538	64827	64637

WARNING: These products are lifting devices only. Always use appropriate capacity vehicle stands to support vehicle before getting under it for any reason. Study, understand and follow all operating instructions provided with the product.

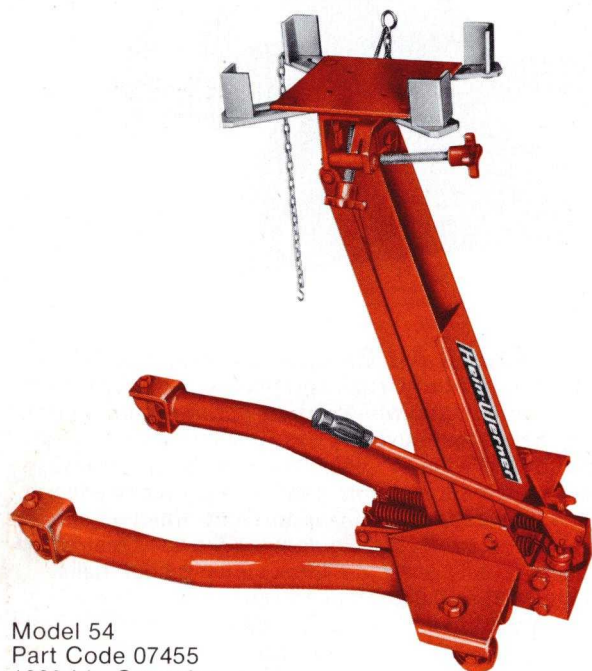
TRANSMISSION JACKS

Two Low Profile Hydraulic Transmission Jacks.

Both feature all-direction tilt control for precise alignment. The wide stance tubular steel frames are equipped with 4 ball bearing 360° swivel casters providing excellent stability and easy maneuvering. Open leg design allows straddling of other equipment for transferring the load. A swivel pumping handle allows operation from either side, or anywhere in-between. Adjustment knobs feature square sockets to enable use of 1/2" drive ratchet wrench for easier positioning under load. Built-in relief valves prevent overloading. Model 54 has a 1000 lb. capacity to handle most car and light truck requirements. With a 2000 lb. load capacity, the Model 62 is best suited for heavier truck transmission work. Model 54 is equipped with 4 adjustable corner brackets, while the Model 62 features 2 heavy cast adjustable mounting plates and 4 wedges to support the load. Both models include a load restraint chain.

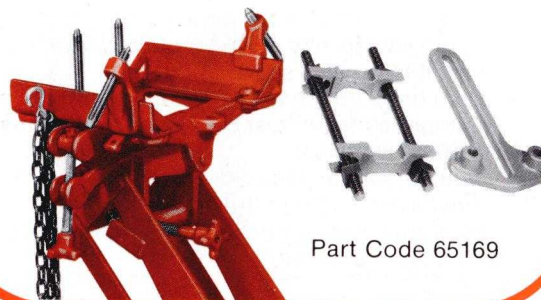


Model 62
Part Code 07540
2000 Lb. Capacity



Model 54
Part Code 07455
1000 Lb. Capacity

Differential Adapter Kit for Model 62 facilitates removal and installation of heavy differential assemblies. Consists of 2 adjustable angles, 2 adjustable stud brackets, 2 yoke clamps, an adjustable yoke bracket, adjusting screws, studs and mounting hardware. Order Part Code 65169.



Part Code 65169

SPECS

	Model 54	Model 62
Capacity	1000 lbs. (454 kg)	2000 lbs. (907 kg)
Low Height	6-1/4"	9-1/4"
High Height	31"	44-1/4"
Frame Height	6-1/4"	9-1/2"
Overall Width	19-3/8"	29-7/8"
Overall Length	35-1/2"	48"
Wheel Diameter	2-5/8"	4"
Front Tilt	65°	40°
Rear Tilt	18°	15°
Side Tilt	13° ea. way	10° ea. way
Shipping Weight	108 lbs.	330 lbs.
Part Code	07455	07540
Replacement Unit	U-54	U-62
Part Code	07727	07728

WARNING: Use of transmission jacks is limited to the removal and installation of transmissions, transaxles, and vehicle components for which appropriate adapters are supplied. Do not lift or support vehicles with transmission jacks. Study, understand and follow all operating instructions provided with product.



Model 74
Part Code 65188
1000 Lb. Capacity

Model 74 Features:

- Complete foot operated for raising and lowering - Keeps operator's hands free for positioning.
- Precise lifting control, plus 4-way adjustable tilt control provides accurate alignment of splines and mounting holes.
- Release valve designed to give controlled lowering.
- Automatic overload protection guards against equipment damage.
- Chrome plated rams and pump piston for greater durability and prolonged seal life.
- Extra low pick-up height facilitates transfer to and from work bench.
- Strong tubular construction wide base provides greater stability.
- Ball bearing casters with large 4" diameter wheels allow smooth positioning and transporting.
- Four adjustable corner support brackets each swivel 360° for convenient mounting.
- Easy to service - Unique hydraulic circuitry is contained in an economical, factory set, replaceable cartridge.
- Load restraint chain provided.
- Pull handle facilitates transporting the load.

Model 74 Under-Hoist Transmission Jack

is ideal for removal and installation of most passenger car and light truck transmissions, plus front wheel drive transaxles. 2-stage telescoping design provides a low height of only 32" and a maximum height of 73-5/8".

Model 74 Specifications

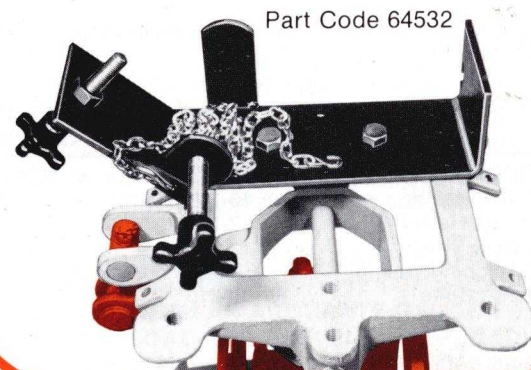
Capacity	1000 lbs. (454 kg)
Low Height	32"
High Height	73-5/8"
Overall Width	31"
Overall Length	35-1/2"
Wheel Diameter	4"
Front Tilt	25°
Rear Tilt	15°
Side Tilt	12° ea. way
Shipping Weight	125 lbs.
Part Code	65188
Replacement Unit	U-74

Part Code 65661

Transfer Case Adapter

for easy removal and installation of transfer cases used on most 4WD vehicles.

- Fits all Hein-Werner transmission jacks.
- Two adjusting screws provide fast, accurate positioning.
- Ideal for: New Process 205, Dana Spicer, New Process 203 transfer cases.



Part Code 64532

WARNING: Use of transmission jacks is limited to the removal and installation of transmissions, transaxles, and vehicle components for which appropriate adapters are supplied. Do not lift or support vehicles with transmission jacks. Study, understand and follow all operating instructions provided with product.

VEHICLE STANDS



Model CS-2.11
Part Code 07310
2 Ton Capacity



Model CS-7.20
Part Code 63386
7 Ton Capacity



Model CS-5.15
Part Code 07320
5 Ton Capacity



Model CS-10.18
Part Code 07322
10 Ton Capacity



Model CS-2.54
Accessory Stand
Part Code 61842
1-1/2 Ton Capacity

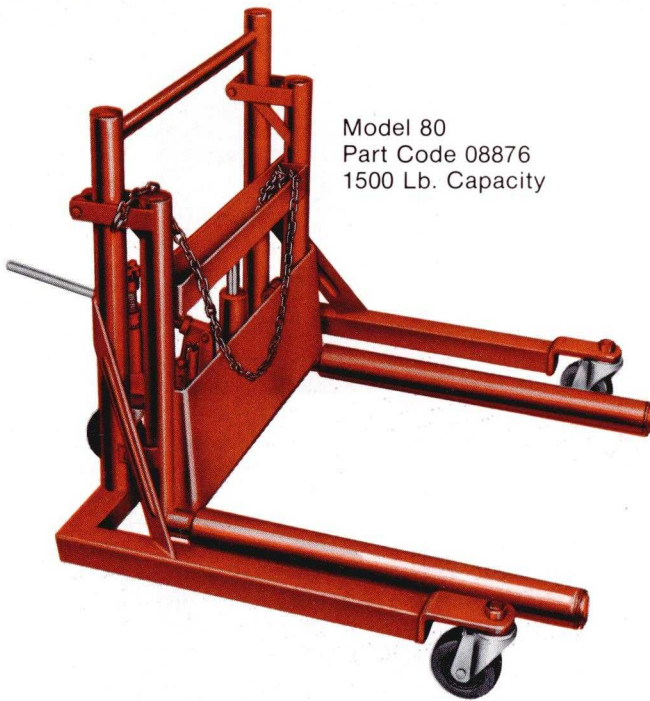
Vehicle Stands - We know of no stronger vehicle stands on the market today! Hein-Werner vehicle stands exceed all current government standards. Each stand is individually load tested at the factory prior to shipment. All vehicle stands feature a one piece cast ratchet bar/saddle. The stands are designed so that the weight of the load helps prevent the ratchet pawl from disengaging while under load. When used in pairs, the rated capacity is PER STAND.

WARNING: ALWAYS USE VEHICLE STANDS IN PAIRS, AND ON A HARD, LEVEL SURFACE. LOAD MUST BE CENTERED ON SADDLE. STUDY, UNDERSTAND AND FOLLOW ALL OPERATING INSTRUCTIONS SUPPLIED WITH PRODUCT.

Model CS-2.54 High Accessory Stands are designed for use with service station hoists. They are very useful to assist in changing shocks, exhaust system components, etc. Stands adjust from 54" to 84" in 3" increments. **WARNING: THESE ARE ACCESSORY STANDS ONLY AND ARE NOT DESIGNED OR INTENDED TO SUPPORT VEHICLES. STUDY, UNDERSTAND AND FOLLOW ALL OPERATING INSTRUCTIONS SUPPLIED WITH PRODUCT.**

SPECS	Model CS-2.11	Model CS-5.15	Model CS-7.20	Model CS-10.18	Model CS-2.54
Capacity - Tons	2 (1814 kg)	5 (4536 kg)	7 (6350 kg)	10 (9072 kg)	1-1/2 (1361 kg)
Low Height	10-7/8"	15-3/8"	19-3/8"	18-7/8"	54"
High Height	17-1/4"	24-3/4"	27-7/8"	30-3/8"	84"
Base Size	8" x 9"	10" x 12"	12-3/4" x 15"	12-3/4" x 15"	24" x 24" x 24"
Shipping Weight	21 lbs./pr.	40 lbs./pr.	58 lbs./pr.	62 lbs./pr.	75 lbs./pr.
Part Code	07310	07320	63386	07322	61842

WHEEL DOLLY



Model 80
Part Code 08876
1500 Lb. Capacity

WARNING: USE OF WHEEL DOLLY IS LIMITED TO THE REMOVAL, TRANSPORTING AND INSTALLATION OF WHEEL ASSEMBLIES. DO NOT LIFT OR SUPPORT VEHICLES WITH WHEEL DOLLY. STUDY, UNDERSTAND AND FOLLOW ALL OPERATING INSTRUCTIONS SUPPLIED WITH PRODUCT.

Model 80 Wheel Dolly handles dual wheels up to 52" diameter. For precision controlled removal and installation of heavy dual wheel assemblies on tractors, trailers and busses. Tilt control, a special hydraulic unit with lever type release valve, and rubber wheel roller bearing casters provide easy and precise maneuvering . . . critical to avoid damage to seals, brake sensors, etc. Tilt control screw can also be operated with a standard 1/2" drive ratchet wrench. Four rollers equipped with oilite bearings guide carriage. Lift arm rollers also ride on oilite bearings for low effort wheel rotation. Built-in tool tray and restraint chain included.

Model 80 Wheel Dolly Specifications

Capacity	1500 lbs. (680 kg)
Hydraulic Lift	5-1/2"
Extension Screw Adj.	1-3/4"
Chassis Height	29"
Chassis Width	37-1/4"
Chassis Length	32-1/2"
Lift Arm Length	24-3/8"
Lift Arm Spread	26-5/8"
Caster Diameter	4"
Shipping Weight	120 lbs.
Part Code	08876
Replacement Unit	U-80, Part Code 62567

SHOP PRESS

Model PR-126
Part Code 44009
12 Ton Capacity



P-108 (Optional)
Axle Bearing
Box Tool
Part Code 63065



P-120 (Furnished)
Angle Supports
Part Code 16454



**PR 126
Accessories**

SPECS

Inside Frame Width	22-1/2"
Overall Height	72"
Base Size	25" x 30"
Bed Width	7"
Capacity	12 Ton (10886 kg)
Shipping Weight	195 lbs.

Model PR-126 - Shop Press is constructed of heavy 4" steel channel. Bed adjusts from 6-1/2" to 44" below head frame in 5-3/4" increments. Push pin is spring returned and has a removable head which can be replaced with other adapters for special applications.

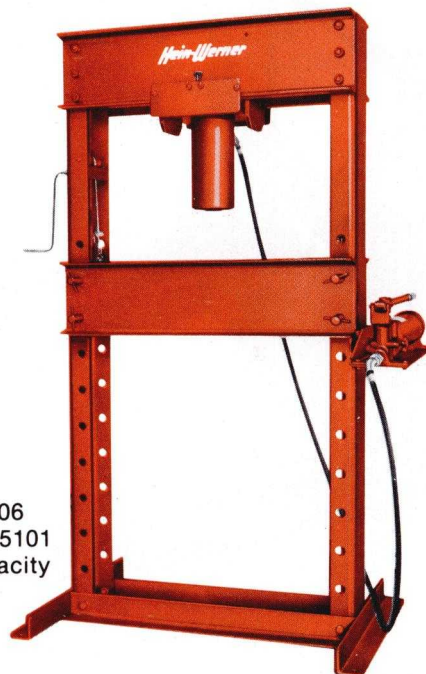
Hydraulic jack is not included. Order Model E12.9A Hand Jack (Part Code 60330) and Model 12G (Part Code 62629) hydraulic gauge and adapter.

WARNING: THIS PRESS IS DESIGNED FOR 12 TON CAPACITY. USE ONLY WITH 12 TON JACK EQUIPPED WITH AN ACCURATE GAUGE TO MONITOR LOAD AND PREVENT OVERLOADING. READ, UNDERSTAND AND FOLLOW OPERATING INSTRUCTIONS SUPPLIED WITH PRODUCT.

SHOP PRESSES



Model PR-256
Part Code 65099
25 Ton Capacity



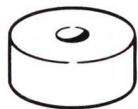
Model PR-606
Part Code 65101
60 Ton Capacity

25 Ton and 60 Ton Shop Presses

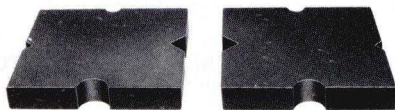
feature heavy steel channel construction and gear drive bed raising/lowering mechanism. Cylinder mount rides on four rollers; locks in any position. Automatic pump relief valves prevent overloading. Model PR-606 is equipped with a 2-stage pump for quick load contact. Large piston automatically relieves once load is contacted. Bed height adjusts in 4-1/2" increments.

SPECS	Model PR-256	Model PR-606
Overall Height	72"	72"
Overall Width	43"	43"
Inside Frame Width	30"	30"
Bed Width	12-3/4"	12-3/4"
Bed Positions	10	9
Base Size	30" x 42"	30" x 42"
Min. Height - Bed to Head Frame	11"	14"
Max. Height - Bed to Head Frame	51-1/2"	50"
Bottom of Head Frame to Cylinder - Retracted	12-1/4"	12-1/2"
Shipping Weight	580 lbs.	650 lbs.
Replacement Pump	Model FP-10-1 Part Code 60085	Model FP-60-1 Part Code 61886
Replacement Cylinder	Part Code 65716	Model FR-60 Part Code 48688

Shop Press Accessories



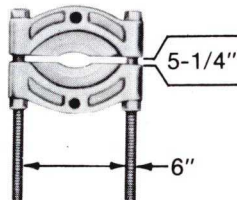
P-109 Bearing Shield
Part Code 63045



Arbor Plate Set
Part Code 65102

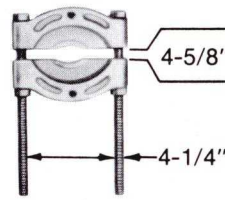
Bearing Pulling Attachments

Capacity
20
Tons



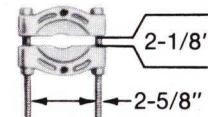
Part Code
48429

Capacity
7
Tons



Part Code
48433

Capacity
7
Tons



Part Code
48434

ENGINE STANDS

Hein-Werner Engine Stands provide a stable workbench for major engine service. Perfect for schools, auto enthusiasts, racers, professional mechanics and engine rebuilders.

Professional Quality Features ... At a Realistic Price:

- Rugged tubular steel frame.
- 360° rotating head - locks in ANY position.
- Both head AND mounting arms are slotted for extra adjustment.
- Grade 8 mounting bolts furnished (4) 3/8-16 x 4", (4) 7/16-14 x 4".
- Long handle allows easy rotation of engine.
- Large diameter wheels and casters for smoother maneuvering.
- Locking casters provide stable base for torquing heads, manifolds, etc.
- Quickly disassembles for storage or transporting.
- Designed to fit between the legs of Hein-Werner portable shop cranes.

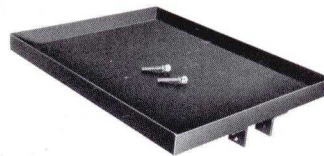


Part Code 64277
750 Lb. Capacity



Part Code 64278
1250 Lb. Capacity

Optional Drip Pan measures 20 x 26 x 1-3/4". Constructed of heavy gauge steel, it is easily removed when not in use. Keeps oil off of floor during disassembly and assembly. Order Part Code 64427.



Optional
Drip Pan
Part Code 64427

SPECS	Part Code 64277	Part Code 64278
Capacity	750 lbs. (340 kg)	1250 lbs. (567 kg)
Overall Height	36"	36"
Overall Length	36"	36"
Height to C/L Head	36"	36"
Wheel & Caster Diameter	4"	5"
Shipping Weight	75 lbs.	112 lbs.

WARNING: USE ONLY ON HARD, LEVEL SURFACES. MAKE SURE LOAD IS CENTERED AND SECURED TO MOUNTING PLATE. STUDY, UNDERSTAND AND FOLLOW ALL OPERATING INSTRUCTIONS PROVIDED WITH PRODUCT.

PORTABLE CRANES

Model C-1000
Part Code 09782
1000 Lb. Capacity

Model C-2000
Part Code 09783
2000 Lb. Capacity



Portable Telescoping Boom Cranes are available in 1000 lb. and 2000 lb. capacity. Both feature rectangular tube boom construction for strength and light weight. A two position mast mounting provides reach and leg clearance for most conditions. The special hydraulic unit has a built-in overload, and is equipped with a metering type release valve which enables the operator to lower the boom at a controlled rate of speed. Large rubber wheels and casters make maneuvering easy. Hook is equipped with a chain restraint latch and swivels to facilitate line-up and positioning of the loads. Both models can be knocked down for storage or transport, and reassembled in minutes. A decal on the boom provides recommended load tables.



Both cranes can easily be knocked down for transporting or storage

Portable Crane Specifications

Model	Capacity Lbs.	(Kg)	Base Length	Base Width	Mast Height	Length Inside Legs	Wheel Diameter	Caster Diameter	Shipping Wt. Lbs.
C-1000	1000	(454)	55"	30-1/2"	62"	43"	6"	4"	182
C-2000	2000	(907)	72"	36"	68-1/2"	52-1/2"	6"	4"	337

Boom Specifications and Recommended Loading

	Boom Position	Max. Capacity	Counter Wt. Req'd. (Mast at Rear)	Counter Wt. Req'd. (Mast Forward)	Max. Height	Min. Height	Length
Model C-1000 Part Code 09782	1	1000 lbs.	— —	— —	88"	32"	41"
	2	750 lbs.	— —	100 lbs.	93"	28"	48"
	3	600 lbs.	— —	200 lbs.	96"	22"	55"
	4	500 lbs.	70 lbs.	300 lbs.	101"	18"	62"
	5	400 lbs.	140 lbs.	300 lbs.	106"	13"	69"
Model C-2000 Part Code 09783	1	2000 lbs.	— —	150 lbs.	98"	30"	60"
	2	1500 lbs.	— —	300 lbs.	102"	25-1/2"	69"
	3	1000 lbs.	— —	300 lbs.	107"	19-1/2"	79"
	4	750 lbs.	70 lbs.	300 lbs.	112"	13-1/2"	89"
	5	500 lbs.	70 lbs.	300 lbs.	123"	6-1/2"	99"

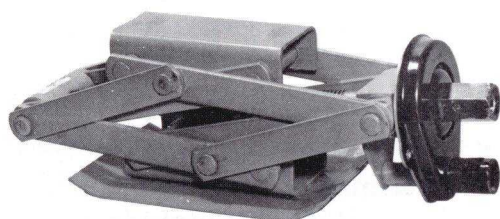
Replacement unit for C-1000 is UC-122-1. Order Part Code 62569. Replacement unit for C-2000 is UC-327-1. Order Part Code 60738.

WARNING: USE ONLY ON HARD, LEVEL SURFACES. DO NOT EXCEED LOAD CAPACITIES AS SPECIFIED ON BOOM DECAL. STUDY, UNDERSTAND AND FOLLOW ALL OPERATING INSTRUCTIONS PROVIDED WITH PRODUCT.

MECHANICAL JACKS

Three Quality Scissors Jacks, all feature Acme threads and ball bearing action for easy operation. Model S1.35 has a 1-1/2 ton rated capacity, while the S2.35 is designed for lifts up to 2 ton. Also rated at 2 ton capacity, Model S3.35 features a chain driven reducer which makes it easy to operate when lifting capacity loads. Drive reducer is sealed for extended life. All jacks are equipped with a 42-1/2" folding crank handle for convenient operation. Folds to 21-1/2" for compact storage.

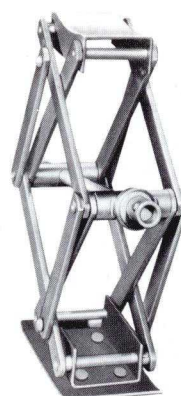
Model R1.32A Ratchet Bumper Jack. A deluxe jack featuring a heavy structural column with rust resistant finish, and a 6" x 8" support base. Dual hook box link chain engages bumper slots or lifts at the bumper lip. Chain is adjustable and locks into two positions on the ratchet mechanism. Handle included.



Model S3.35
Part Code 63394
2 Ton Capacity

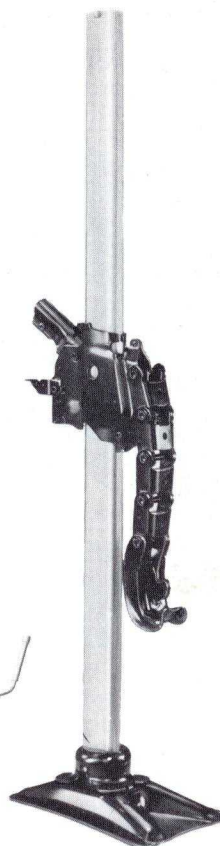
Model HL-7000 High Lift Utility Jack features durable malleable iron construction for long life, and has a lifting capacity of 7000 lbs. This all-purpose jack can be used for lifting, spreading and clamping, or as a "come-along" for winching and stretching. Clamping capacity is 750 lbs., and when properly used for stretching or winching the rated capacity is 5000 lbs. Shear pin prevents loading jack beyond rated capacity. An ideal tool for farm, home, or shop.

Model 48 Bipod Jack for the car owner features a precision machined screw suspended on bearings. Dual hook vinyl-coated chain. Spreader bar locks legs in position to aid stability. Folds for compact storage.



Model S1.35
Part Code 60144
1-1/2 Ton Capacity

Model S2.35
Part Code 60145
2 Ton Capacity



Model R1.32A
Part Code 60143
1 Ton Capacity



Model 48
Part Code 60146
1 Ton Capacity



Model HL-7000
Part Code 66765
3-1/2 Ton Capacity

SPECS	Model R1.32A	Model S1.35	Model S2.35	Model S3.35	Model 48	Model HL-7000
Capacity	1 ton (907 kg)	1-1/2 tons (1361 kg)	2 tons (1814 kg)	2 tons (1814 kg)	1 ton (907 kg)	3-1/2 tons (3175 kg)
Low Height	0"	4-1/4"	4-1/4"	4-3/8"	2"	4-1/2"
High Height	27-1/4"	14-1/2"	14-1/2"	16-1/2"	31-1/2"	41-1/2"
Base Size	6" x 8"	6" x 4-3/4"	5-1/2" x 4"	5" x 6-1/2"	—	4" x 7"
Shipping Weight	10 lbs.	12 lbs.	15 lbs.	18 lbs.	23 lbs.	32 lbs.
Part Code	60143	60144	60145	63394	60146	66765

WARNING: These products are lifting devices only. Use only on hard, level surfaces. Always use appropriate capacity vehicle stands to support vehicle before getting under it for any reason. Study, understand and follow all operating instructions provided with the product.

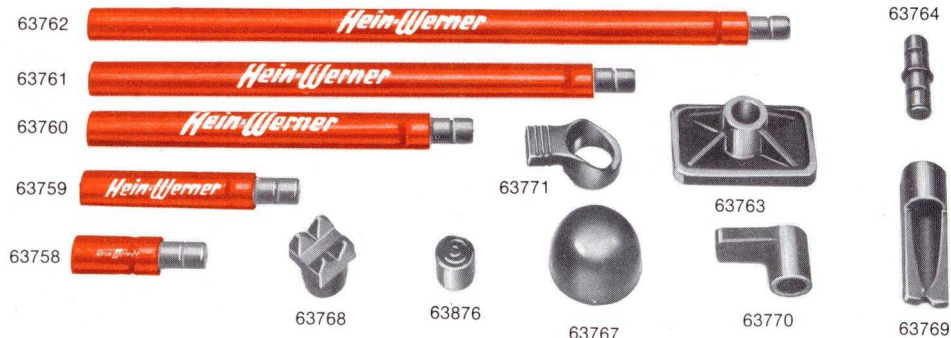
PUSHMASTER SPRINT 4 TON AUTOBODY REPAIR KITS

15 Important Reasons to Choose Sprint

1. Lower handle effort — faster operation. Sprint's a real arm saver. Takes only 85 lbs. of handle effort for full 4 ton ram force.
2. Lightweight, heavy-duty pump. Compact, balanced, more convenient for every job.
3. Automatic pump overload protection. Prevents pressure build-up in excess of rated capacity. Prevents damage to rams and equipment.
4. Lever release valve for precise control. Lever gives more precise load control, is better protected from damage and accidental release.
5. Solidly mounted feet for a stable base. Feet are solidly attached to pump, for a stable base that won't work loose.
6. Vinyl-coated feet protect vehicles. Permanent vinyl coating protects vehicles from scratches.
7. Offset handle. With non-slip grip, provides an easy power stroke.
8. Chromed pump piston. Protects against rust; increases piston life.
9. Chrome ram plunger. Corrosion-resistant, prolongs working life.
10. Additional bearing length for longer ram life. Greater strength and protection against damage from off-center loads.
11. Replaceable Snap-Lock ram base. Base can be replaced if damaged, for increased ram life at lower service cost.
12. High pressure hose. SAE 100R2A hose provides trouble-free operating life. Each hose is tested and certified for compliance with SAE standards.
13. Snap-Lock design. Extension tubes snap together in seconds without pins or threading, disassemble just as easily, 150% faster set-up, 200% faster take-down, compared to threaded sets.
14. Heavy-walled extension tubes. More built-in strength under load. Stronger than typical threaded tubing.
15. Stronger, heavier attachments. Heavy reinforced construction holds up longer under rough loads and hard knocks.

4 Ton Basic Kit. Ideal "starter" with small investment. Here are all the essentials for body and fender work with the newest Hein-Werner advancements. Snap-Lock heavy-walled extension tubes fit together in seconds — without pins or threading. Compact, lightweight pump delivers 4 ton pressure with fewer easier strokes. Heavy-duty attachments handle most jobs . . . and more attachments can be added as you need them.

SPRINT "Snap-Lock" Equipment



4 TON SPRINT BASIC KIT — Order Part Code 63750

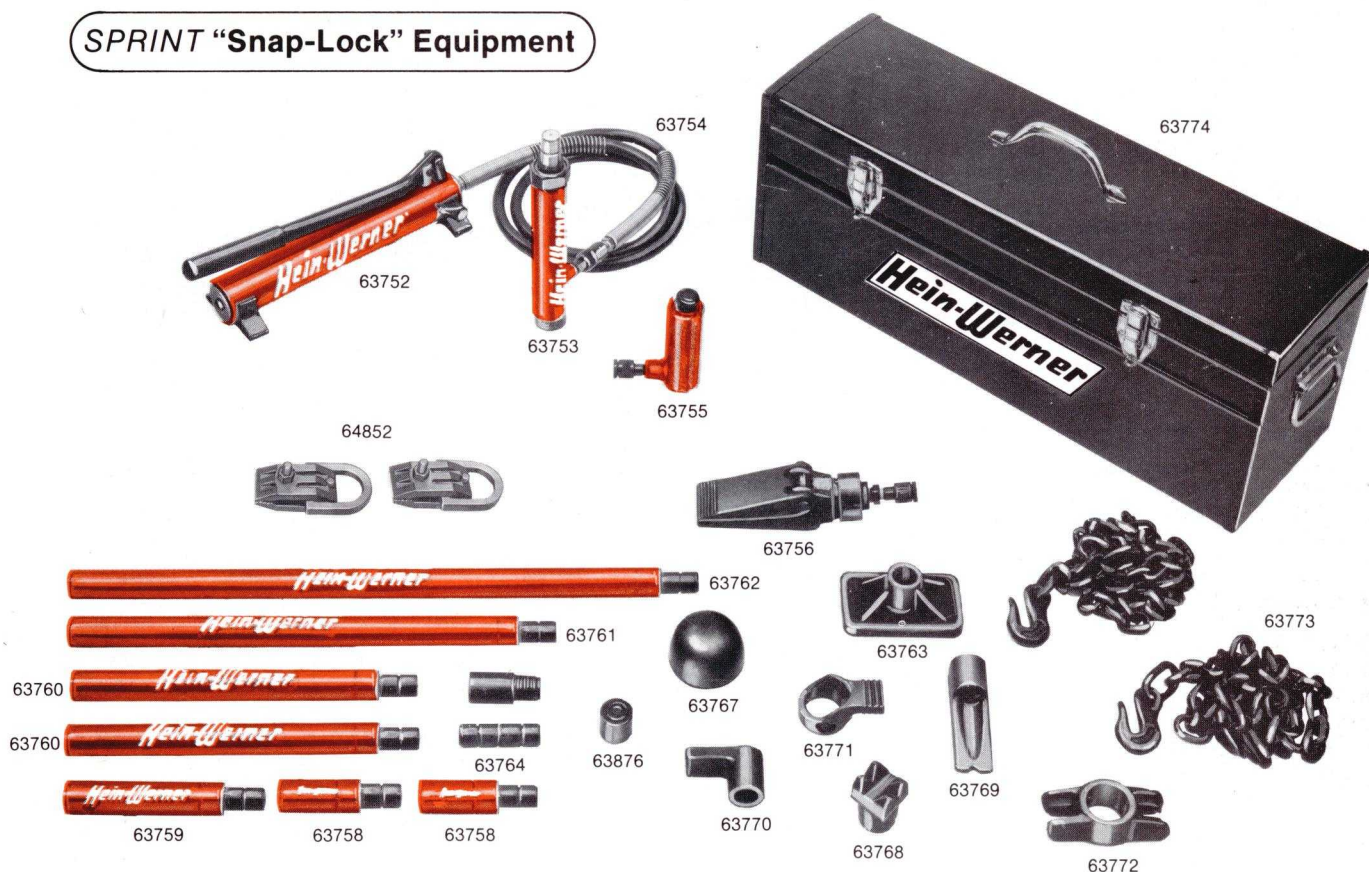
Pushmaster Sprint 63750 4 Ton Basic Kit Includes:

Part Code	Description	Qty.
63752	Sprint Pump	1
63753	Sprint Ram	1
63754	6" Sprint Hose	1
63758	3" Sprint Extension Tube	1
63759	6" Sprint Extension Tube	1
63760	12" Sprint Extension Tube	1
63761	18" Sprint Extension Tube	1
63762	24" Sprint Extension Tube	1
63763	Sprint Flat Base	1
63764	Sprint Connector	1
63767	Sprint Flex Head	1
63768	Sprint Combination Head	1
63769	Sprint Wedge Head	1
63770	Sprint Plunger Toe	1
63771	Sprint Ram Toe	1
63876	Sprint Saddle	1

Refer to Pump, Ram and Attachment sections for additional work-saving equipment.

WARNING: The load capacity of this equipment is significantly affected by the type and number of attachments and/or extensions used. Study, understand and follow all operating instructions provided with the product.

SPRINT "Snap-Lock" Equipment



4 TON SPRINT MASTER KIT — Order Part Code 63751

4 Ton Master Kit. Designed for the professional autobody repairman. This kit contains all items in the Sprint Basic Kit — plus more accessories, more attachments, more extension tubes to handle every application. Kit includes automatic self-tightening clamps (no wrenches required), 4 ton "Shorty" ram, Hi-Test chains, chain attachment and other work savers. And you can put it all together faster with Sprint Snap-Lock extension tubes and Sprint compact, fast-acting hydraulic pump.

WARNING: The load capacity of this equipment is significantly affected by the type and number of attachments and/or extensions used. Study, understand and follow all operating instructions provided with the product.

Pushmaster Sprint 63751 4 Ton Master Kit Includes:

Part Code	Description	Qty.
63752	Sprint Pump	1
63753	Sprint Ram	1
63754	Sprint Hose	1
63755	4 Ton "Shorty" Ram	1
63756	Sprint Hydraulic Spreader	1
63758	3" Sprint Extension Tube	2
63759	6" Sprint Extension Tube	1
63760	12" Sprint Extension Tube	2
63761	18" Sprint Extension Tube	1
63762	24" Sprint Extension Tube	1
63763	Sprint Flat Base	1
63764	Sprint Connector	1
63767	Sprint Flex Head	1
63768	Sprint Combination Head	1
63769	Sprint Wedge Head	1
63770	Sprint Plunger Toe	1
63771	Sprint Ram Toe	1
63772	Sprint Chain Attachment	1
63773	Hi-Test Chain	2
63774	Metal Tool Box	1
63876	Sprint Saddle	1
64852	Sprint Self-Tightening Clamp	2

Refer to Pump, Ram and Attachment sections for additional work-saving equipment.

PUSHMASTER 4 TON JACKITS

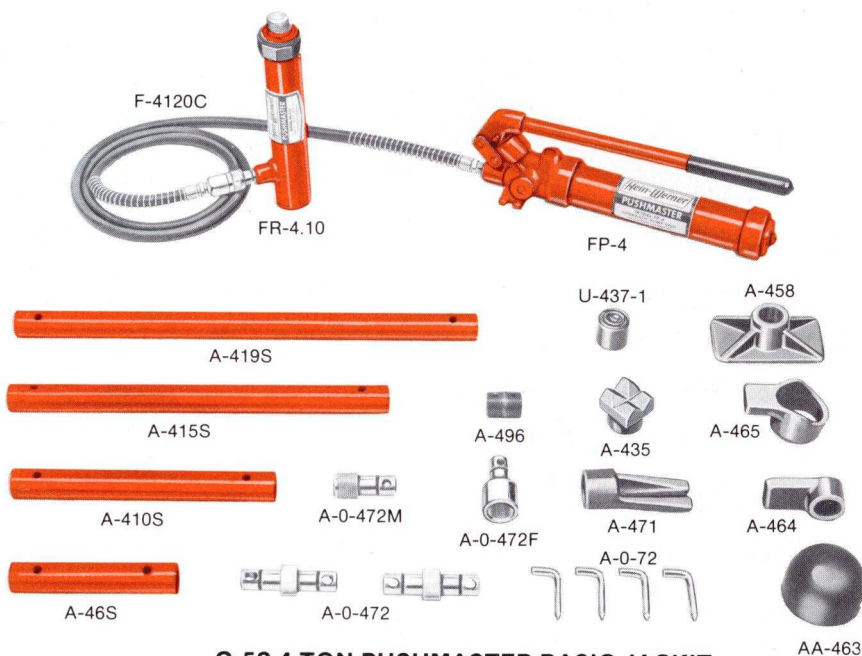
C-5S 4 Ton Basic JackIt. An economy package of the most often used attachments and time saving Quick-Set tubing, provides the essentials at a small investment.

C-5S 4 Ton Basic JackIt Includes:

Model	Description	Qty.
A-46S	6" Quick-Set Tube	1
A-410S	10" Quick-Set Tube	1
A-415S	15" Quick-Set Tube	1
A-419S	19" Quick-Set Tube	2
A-435	90° Concave Head	1
A-458	Flat Head	1
A-464	Ram Toe	1
A-465	Body Toe	1
A-471	Spreader Head	1
A-496	Male Connector	1
AA-463	3" Rubber Head	1
A-0-72	Lock Pin	4
A-0-472	Snap-In Connector	2
A-0-472F	Female Adapter	1
A-0-472M	Male Adapter	1
F-4120C	6' Hose	1
FP-4	4 Ton Pump	1
FR-4.10	4 Ton Ram	1
U-437-1	Ram Cap	1

Refer to Pump, Ram and Attachment sections for additional work-saving equipment.

Pushmaster "Quick-Set" Equipment



C-5S 4 TON PUSHMASTER BASIC JACKIT
Order Part Code 65954

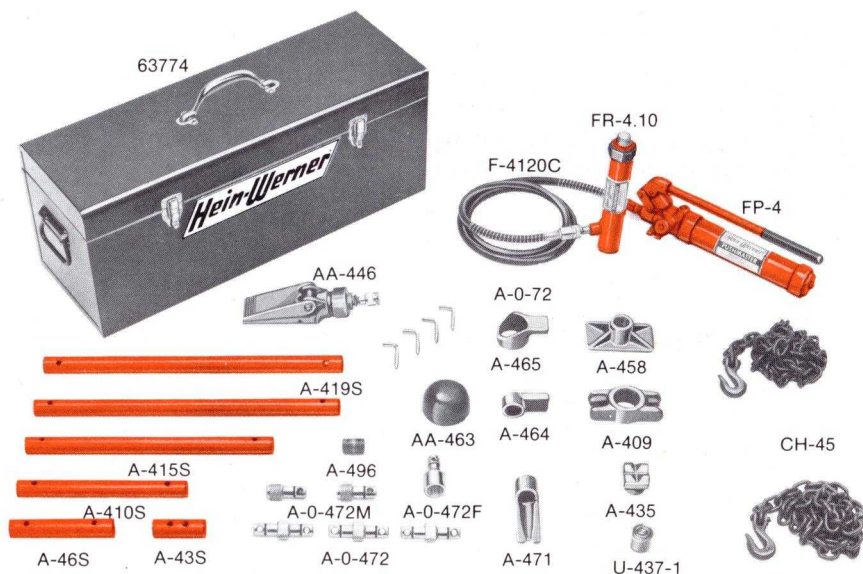
C-1S 4 Ton Master JackIt. Includes all the components of the C-5S Basic JackIt, plus more attachments for expanded pushing, pulling and spreading capabilities.

C-1S 4 Ton Master JackIt Includes:

Model	Description	Qty.
A-43S	3" Quick-Set Tube	1
A-46S	6" Quick-Set Tube	1
A-409	Chain Attachment	1
A-410S	10" Quick-Set Tube	1
A-415S	15" Quick-Set Tube	1
A-419S	19" Quick-Set Tube	2
A-435	90° Concave Head	1
A-458	Flat Head	1
A-464	Ram Toe	1
A-465	Body Toe	1
A-471	Spreader Head	1
A-496	Male Connector	1
AA-446	1 Ton Hydraulic Spreader	1
AA-463	3" Rubber Head	1
A-0-72	Lock Pin	6
A-0-472	Snap-In Connector	3
A-0-472F	Female Adapter	1
A-0-472M	Male Adapter	2
CH-45	5' Chain W/One Hook	2
F-4120C	6' Hose	1
FP-4	4 Ton Pump	1
FR-4.10	4 Ton Ram	1
U-437-1	Ram Cap	1
63774	Metal Tool Box	1

Refer to Pump, Ram and Attachment sections for additional work-saving equipment.

Pushmaster "Quick-Set" Equipment



C-1S 4 TON PUSHMASTER MASTER JACKIT
Order Part Code 65952

WARNING: The load capacity of this equipment is significantly affected by the type and number of attachments and/or extensions used. Study, understand and follow all operating instructions provided with the product.

Pushmaster Threaded Equipment



C-1 4 TON PUSHMASTER JACKIT
Order Part Code 65953

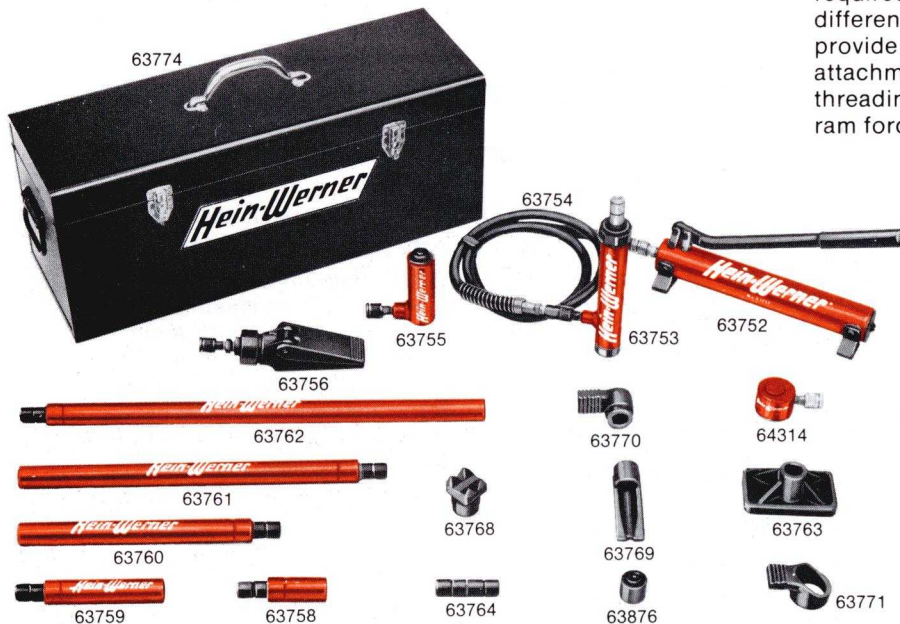
C-1 4 Ton Master JackIt. Provides the same wide range of pushing, pulling, and spreading capabilities as the C-1S Master JackIt, utilizing threaded tubing rather than Quick-Set style.

C-1 4 Ton Master JackIt Includes:

Model	Description	Qty.
A-43	3" Tube	1
A-46	6" Tube	1
A-409	Chain Attachment	1
A-410	10" Tube	1
A-415	15" Tube	1
A-419	19" Tube	2
A-427	Special Coupling	1
A-428	Coupling	2
A-435	90° Concave Head	1
A-458	Flat Head	1
A-464	Ram Toe	1
A-465	Body Toe	1
A-471	Spreader Head	1
A-496	Male Connector	1
AA-446	1 Ton Hydraulic Spreader	1
AA-463	3" Rubber Head	1
CH-45	5' Chain W/One Hook	2
F-4120C	6' Hose	1
FP-4	4 Ton Pump	1
FR-4.10	4 Ton Ram	1
U-437-1	Ram Cap	1
63774	Metal Tool Box	1

Refer to Pump, Ram and Attachment sections for additional work-saving equipment.

Sprint "Snap-Lock" Equipment



4 TON SPRINT RESCUE KIT
Order Part Code 65951

WARNING: The load capacity of this equipment is significantly affected by the type and number of attachments and/or extensions used. Study, understand and follow all operating instructions provided with the product.

65951 4 Ton Sprint Rescue Kit. The 4 Ton Sprint Rescue Kit includes the attachments most often required for emergency rescue operations. Three different rams, plus a hydraulic spreader attachment provide versatility. Snap-Lock extension tubes and attachments, snap together in seconds without pins or threading. Compact, lightweight pump develops full ram force fast and with low handle effort.

65951 4 Ton *Sprint* Rescue Kit Includes:

Part Code	Description	Qty.
63752	Sprint Pump	1
63753	Sprint Ram	1
63754	6' Sprint Hose	1
63755	4 Ton "Shorty" Ram	1
63756	Sprint Hydraulic Spreader	1
63758	3" Extension Tube	1
63759	6" Extension Tube	1
63760	12" Extension Tube	1
63761	18" Extension Tube	1
63762	24" Extension Tube	1
63763	Flat Base	1
63764	Connector	1
63768	Combination Head	1
63769	Wedge Head	1
63770	Plunger Toe	1
63771	Ram Toe	1
63774	Metal Tool Box	1
63876	Saddle	1
64314	4 Ton Mini-Ram	1

Refer to Pump, Ram and Attachment sections for additional work-saving equipment.

PUSHMASTER *SPRINT* 10 TON BODY/FRAME REPAIR KITS

Compare These Quality Features

1. Snap-Lock attachments and extension tubes.
2. Lightweight heavy-duty pump with chrome-plated piston, vinyl-covered feet, and automatic overload protection.
3. Low handle effort pump (requires 20% less handle effort than some competitive pumps) quickly and easily builds 10 tons of ram force.
4. Lever release valve for precise load control.
5. SAE 100R2A hose. Each hose is tested and certified for compliance with SAE standards.
6. Chrome-plated ram plunger for rust protection and longer life.
7. Automatic ram over-travel stops — guards against excess travel when used with Sprint pump.
8. Stronger, reinforced Snap-Lock attachments.
9. Self-tightening clamps require no wrenches — simply snug bolt finger-tight — clamp does the rest.
10. Hydraulic spreader attachment provides a full 1 ton spreading force.
11. 5 ton pull ram with chain adapters, features spring return and chrome-plated plunger. Adapts to standard Pushmaster "Quick-Set" equipment.
12. Adjustable contour head pivots to 90° in either direction. Can be used on both inside and outside corners.

10 Ton Basic Kit. All the essentials for heavy-duty body and frame repair.

Basic Kit includes the most frequently used attachments — more can be added as you need them. Snap-Lock heavy walled extension tubes fit together in seconds — without pins or threading. Compact, lightweight pumps deliver 10 ton pressure quickly and easily.

Sprint "Snap-Lock" Equipment

Pushmaster *Sprint* 64828 10 Ton Basic kit Includes:

Part Code	Description	Qty.
64857	Sprint Pump	1
64853	Sprint Ram	1
64858	6' Sprint Hose	1
64830	6" Sprint Extension Tube	1
64831	12" Sprint Extension Tube	1
64832	18" Sprint Extension Tube	1
64833	28" Sprint Extension Tube	1
64835	Sprint Connector	1
64837	Sprint Saddle	1
64838	3" Sprint Flex Head	1
64839	Sprint Combination Head	1
64840	Sprint Wedge Head	1
64841	Sprint Plunger Toe	1
64842	Sprint Ram Toe	1
64850	Sprint Flat Base	1

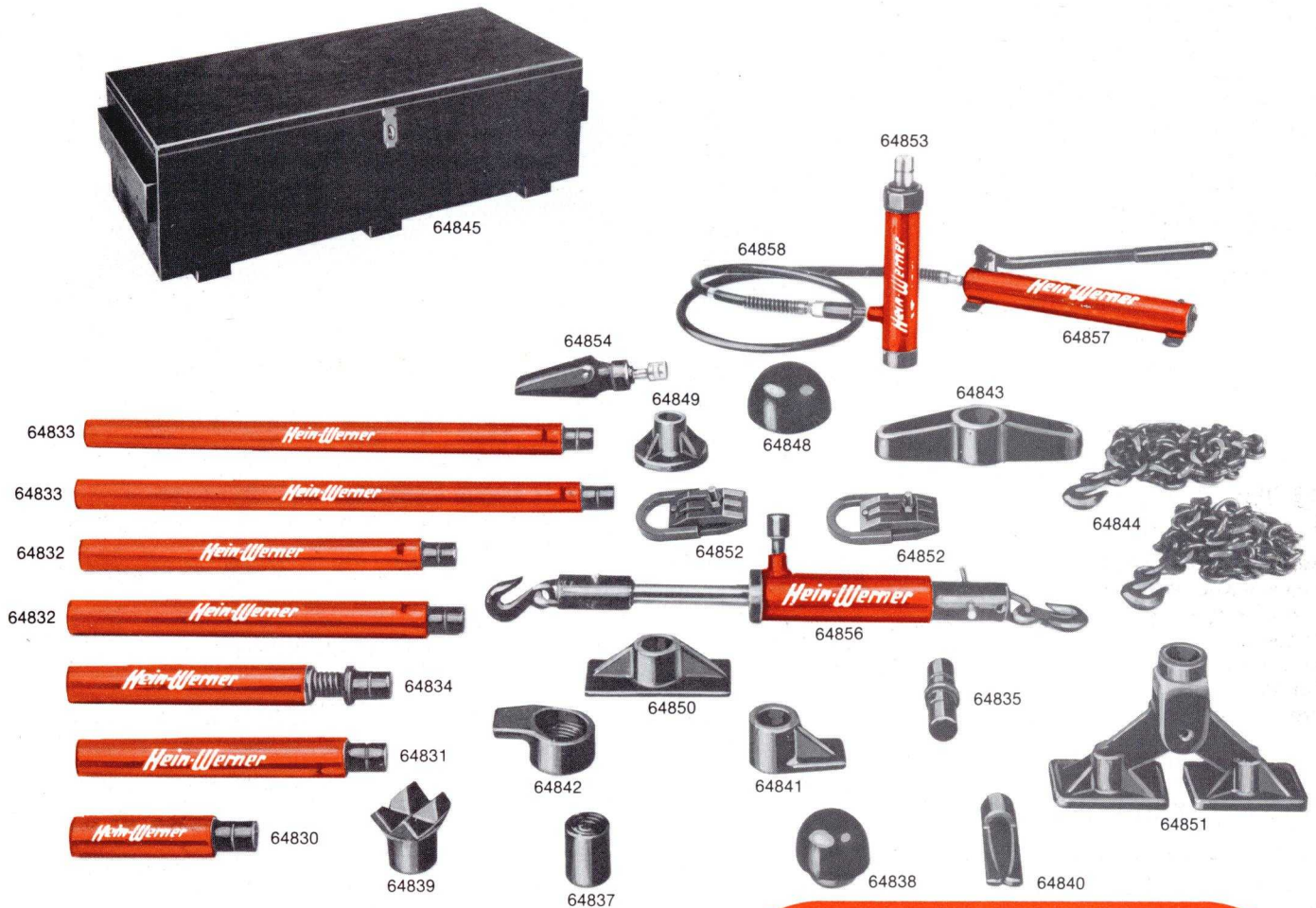
Refer to Pump, Ram and Attachment sections for additional work-saving equipment.



10 TON SPRINT BASIC KIT
Order Part Code 64828

WARNING: The load capacity of this equipment is significantly affected by the type and number of attachments and/or extensions used. Study, understand and follow all operating instructions provided with the product.

SPRINT "Snap-Lock" Equipment



10 TON SPRINT MASTER KIT Order Part Code 68429

10 Ton Sprint Master Kit. Designed to meet the needs of the professional heavy-duty body/frame repairman. This kit contains all the items in the Sprint Basic Kit, plus more accessories, more attachments, more extension tubes to handle every application. Kit includes automatic self-tightening clamps, 5 ton pull ram set, two chains, adjustable extension, and other work savers. Sturdy wooden chest stores complete set.

WARNING: The load capacity of this equipment is significantly affected by the type and number of attachments and/or extensions used. Study, understand and follow all operating instructions provided with the product.

Pushmaster Sprint 64829 10 Ton Master Kit Includes:

Part Code	Description	Qty.
64857	Sprint Pump	1
64853	Sprint Ram	1
64858	6' Sprint Hose	1
64830	6" Sprint Extension Tube	1
64831	12" Sprint Extension Tube	1
64832	18" Sprint Extension Tube	2
64833	28" Sprint Extension Tube	2
64834	12" Adjustable Extension	1
64835	Sprint Connector	1
64837	Sprint Saddle	1
64838	3" Sprint Flex Head	1
64839	Sprint Combination Head	1
64840	Sprint Wedge Head	1
64841	Sprint Plunger Toe	1
64842	Sprint Ram Toe	1
64843	Sprint Chain Attachment	1
64844	Sprint Chain	2
64848	5" Sprint Flex Head	1
64849	Sprint Round Base	1
64850	Sprint Flat Base	1
64851	Sprint Adjustable Contour Base	1
64852	Sprint Self-Tightening Clamp	2
64854	Sprint Hydraulic Spreader	1
64856	Sprint 5 Ton Pull Ram Set	1
64845	Wooden Tool Chest	1

Refer to Pump, Ram and Attachment sections for additional work-saving equipment.

PUSHMASTER 10 TON JACKITS

C-15S 10 Ton Pushmaster Basic JackIt.

A selection of the minimum attachments needed for most jobs. Set includes time-saving Quick-Set tubing, and is an ideal heavy-duty starter kit. Sturdy wooden chest facilitates storage and transporting.

C-15S 10 Ton Pushmaster JackIt Includes:

Model	Description	Qty.
A-106S	6" Quick-Set Tube	1
A-1012S	12" Quick-Set Tube	1
A-1015S	15" Quick-Set Tube	1
A-1018S	18" Quick-Set Tube	1
A-1035	90° Head	1
A-1041F	Body Toe	1
A-1058	Flat Head	1
A-1064	Ram Toe	1
A-1070	Clamp Toe	1
A-1071	Spreader Head	1
A-1096	Male Connector	1
AA-1063	3" Rubber Head	1
A-0-73	Lock Pin	4
A-0-1073	Snap-In Connector	2
A-0-1073F	Female Adapter	1
A-0-1073M	Male Adapter	1
B-11	Wooden Chest	1
F-10120C	6' Hose	1
FP-10-1	10 Ton Pump	1
FR-10	10 Ton Ram	1
U-1037-2	Ram Cap	1

Pushmaster "Quick-Set" Equipment



C-15S 10 TON PUSHMASTER BASIC JACKIT Order Part Code 65957

Refer to Pump, Ram and Attachment sections for additional work-saving equipment.

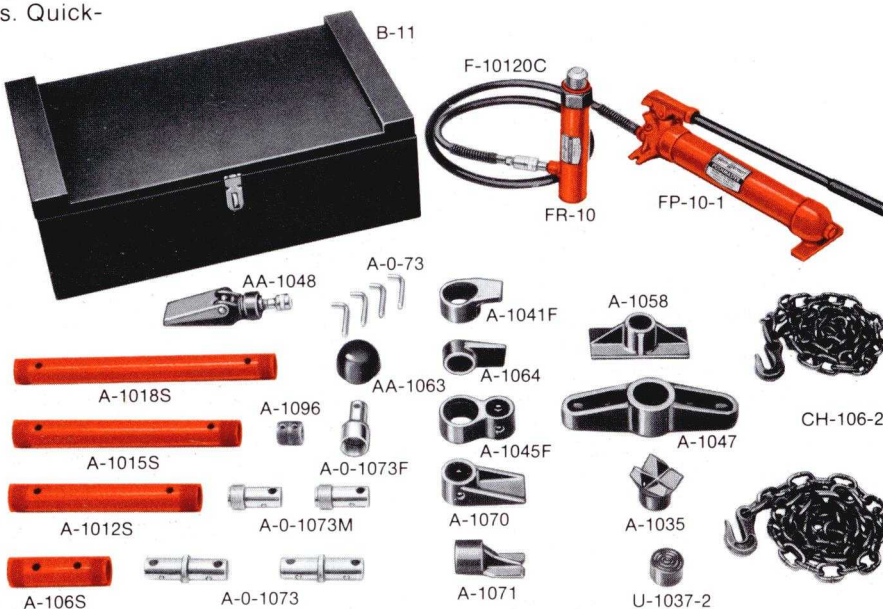
C-12S 10 Ton Pushmaster Master

JackIt. Includes all the components of the C-15S Basic JackIt, plus more attachments for expanded pushing, pulling, and spreading capabilities. Quick-Set tubing reduces set-up time.

Pushmaster "Quick-Set" Equipment

C-12S 10 Ton Pushmaster Master JackIt Includes:

Model	Description	Qty.
A-106S0	6" Quick-Set Tube	1
A-1012S	12" Quick-Set Tube	1
A-1015S	15" Quick-Set Tube	1
A-1018S	18" Quick-Set Tube	1
A-1035	90° Head	1
A-1041F	Body Toe	1
A-1045F	Offset Head	1
A-1047	Chain Attachment	1
A-1058	Flat Head	1
A-1064	Ram Toe	1
A-1070	Clamp Toe	1
A-1071	Spreader Head	1
A-1096	Male Connector	1
AA-1048	Hydraulic Spreader	1
AA-1063	3" Rubber Head	1
A-0-73	Lock Pin	4
A-0-1073	Snap-In Connector	2
A-0-1073F	Female Adapter	1
A-0-1073M	Male Adapter	2
B-11	Wooden Chest	1
CH-106-2	6' Chain	2
F-10120C	6' Hose	1
FP-10-1	10 Ton Pump	1
FR-10	10 Ton Ram	1
U-1037-2	Ram Cap	1

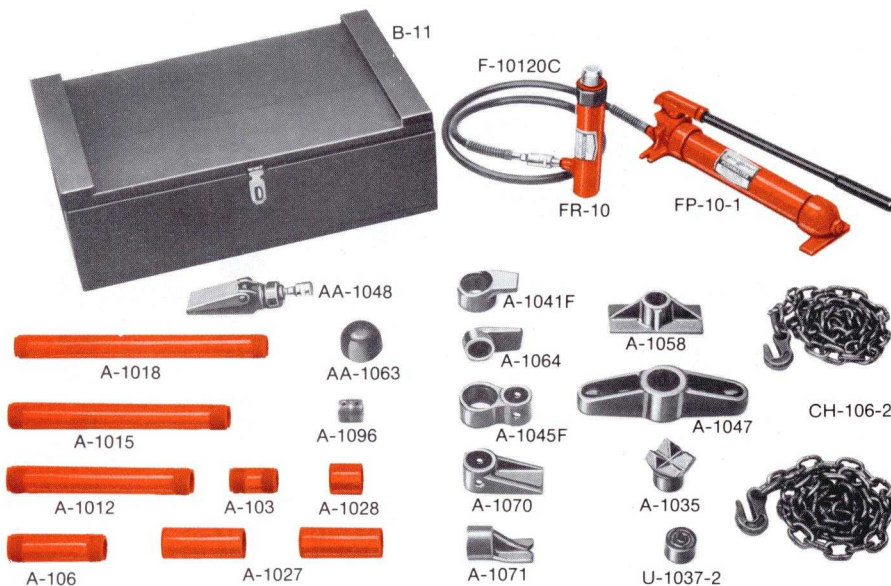


C-12S 10 TON PUSHMASTER MASTER JACKIT Order Part Code 65955

WARNING: The load capacity of this equipment is significantly affected by the type and number of attachments and/or extensions used. Study, understand and follow all operating instructions provided with the product.

Refer to Pump, Ram and Attachment sections for additional work-saving equipment.

Pushmaster Threaded Equipment



C-12 10 TON PUSHMASTER MASTER JACKIT
Order Part Code 65956

Refer to Pump, Ram and Attachment sections for additional work-saving equipment.

C-12 10 Ton Pushmaster Master JackIt.

Provides the same broad range of pushing, pulling, and spreading capabilities as the C-12S Master JackKit, utilizing threaded tubing rather than Quick-Set style.

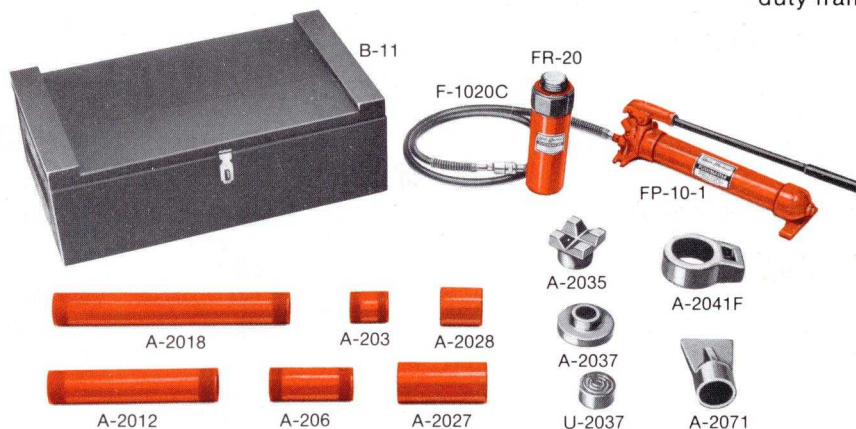
C-12 10 Ton Pushmaster Master JackIt Includes:

Model	Description	Qty.
A-103	3" Threaded Tube	1
A-106	6" Threaded Tube	1
A-1012	12" Threaded Tube	1
A-1015	15" Threaded Tube	1
A-1018	18" Threaded Tube	1
A-1027	Spc. Reinforcing Coupling	2
A-1028	Coupling	1
A-1035	90° Head	1
A-1041F	Body Toe	1
A-1045F	Offset Head	1
A-1047	Chain Attachment	1
A-1058	Flat Head	1
A-1064	Ram Toe	1
A-1070	Clamp Toe	1
A-1071	Spreader Head	1
A-1096	Male Connector	1
AA-1048	Hydraulic Spreader	1
AA-1063	3" Rubber Head	1
B-11	Wooden Chest	1
CH-106-2	6' Chain	2
F-10120C	10 Ton Pump	1
FP-10-1	6' Hose	1
FR-10	10 Ton Ram	1
U-1037-2	Ram Cap	1

20 TON JACKITS

C-23-1 20 Ton Pushmaster JackIt. A heavy-duty 20 Ton Pushmaster JackIt including the basic attachments required for most jobs. Extra attachments and threaded tubing can be added to handle the more specialized applications. An ideal set for the big jobs in construction, industry, and heavy-duty frame shops.

Pushmaster Threaded Equipment



C-23-1 20 TON PUSHMASTER JACKIT
Order Part Code 62326

WARNING: The load capacity of this equipment is significantly affected by the type and number of attachments and/or extensions used. Study, understand and follow all operating instructions provided with the product.

C-23-1 20 Ton Pushmaster JackIt Includes:

Model	Description	Qty.
A-203	3" Threaded Tube	1
A-206	6" Threaded Tube	1
A-2012	12" Threaded Tube	1
A-2018	18" Threaded Tube	1
A-2027	Spc. Reinforcing Coupling	1
A-2028	Coupling	1
A-2035	90° Concave Head	1
A-2037	Base	1
A-2041F	Body Toe	1
A-2071	Spreader Head	1
B-11	Wooden Chest	1
F-1020C	6' Hose	1
FP-10-1	Pump	1
FR-20	20 Ton Ram	1
U-2037	Ram Cap	1

Refer to Pump, Ram and Attachment sections for additional work-saving equipment.

PUSH AND PULL 4 TON JACKITS

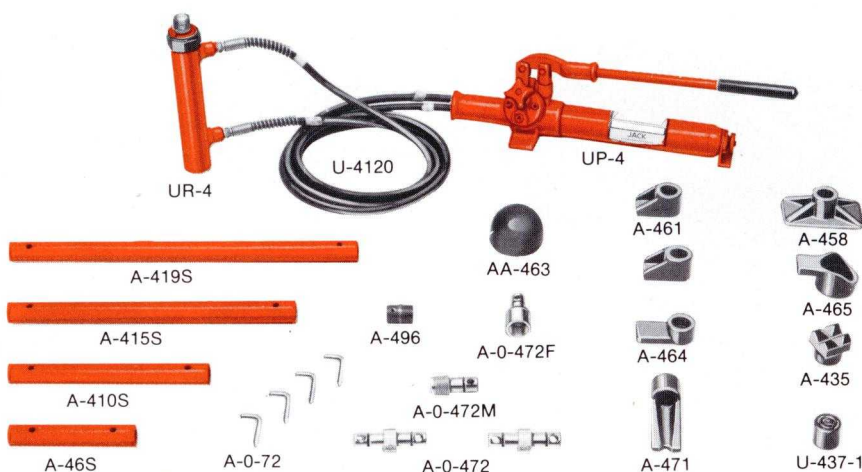
C-7S 4 Ton Push and Pull Basic JackIt.

An economy package of the most often used attachments and time saving Quick-Set tubing. Provides the essentials at a small investment. Ram develops 4 ton push, 2 ton pull.

C-7S 4 Ton Push and Pull Basic JackIt Includes:

Model	Description	Qty.
A-46S	6" Quick-Set Tube	1
A-410S	10" Quick-Set Tube	1
A-415S	15" Quick-Set Tube	1
A-419S	19" Quick-Set Tube	1
A-43S	90° Concave Head	1
A-458	Flat Head	1
A-461	Pull Toe Clamp	2
A-464	Ram Toe	1
A-46S	Body Toe	1
A-471	Spreader Head	1
A-496	Male Connector	1
AA-463	3" Rubber Head	1
A-0-72	Lock Pin	4
A-0-472	Snap-In Connector	2
A-0-472F	Female Adapter	1
A-0-472M	Male Adapter	1
U-437-1	Ram Cap	1
U-4120	6' Hose	2
UP-4	4 Ton Push and Pull Pump	1
UR-4	4 Ton Push and Pull Ram	1

Push and Pull "Quick-Set" Equipment



C-7S 4 TON PUSH AND PULL BASIC JACKIT Order Part Code 62331

Refer to Pump, Ram and Attachment sections for additional work-saving equipment.

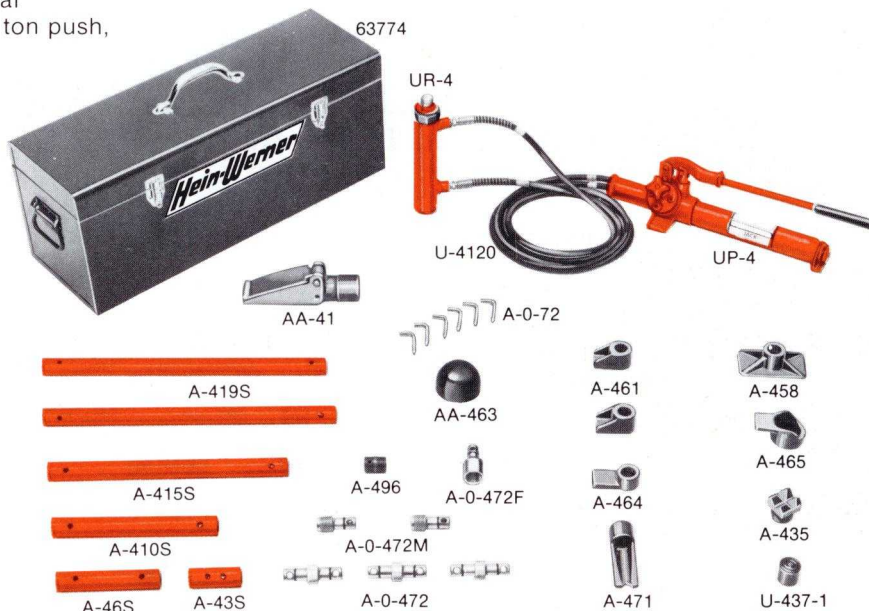
C-3S 4 Ton Push and Pull Master JackIt.

Includes all the components of the C-7S Basic Kit, plus more Quick-Set tubing and attachments for expanded pushing, pulling and spreading capabilities. An AA-41 Mechanical Spreader is also included. Ram develops 4 ton push, 2 ton pull.

C-3S 4 Ton Push and Pull Master JackIt Includes:

Model	Description	Qty.
A-43S	3" Quick-Set Tube	1
A-46S	6" Quick-Set Tube	1
A-410S	10" Quick-Set Tube	1
A-415S	15" Quick-Set Tube	1
A-419S	19" Quick-Set Tube	2
A-43S	90° Concave Head	1
A-458	Flat Head	1
A-461	Pull Toe Clamp	2
A-464	Ram Toe	1
A-46S	Body Toe	1
A-471	Spreader Head	1
A-496	Male Connector	1
AA-41	1 Ton Spreader	1
AA-463	3" Rubber Head	1
A-0-72	Lock Pin	6
A-0-472	Snap-In Connector	3
A-0-472F	Female Adapter	1
A-0-472M	Male Adapter	2
U-437-1	Ram Cap	1
U-4120	6' Hose	2
UP-4	4 Ton Push and Pull Pump	1
UR-4	4 Ton Push and Pull Ram	1
63774	Metal Tool Box	1

Push and Pull "Quick-Set" Equipment



C-3S 4 TON PUSH AND PULL MASTER JACKIT Order Part Code 65958

WARNING: The load capacity of this equipment is significantly affected by the type and number of attachments and/or extensions used. Study, understand and follow all operating instructions provided with the product.

Refer to Pump, Ram and Attachment sections for additional work-saving equipment.

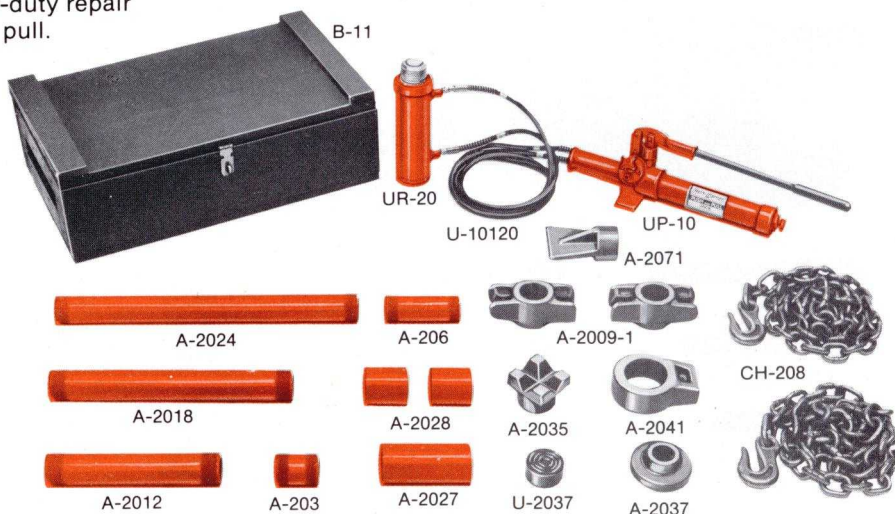
PUSH AND PULL 20 TON JACKIT

C-21 20 Ton Push and Pull JackIt. A selection of the basic equipment most often needed for industrial maintenance and servicing highway and construction machinery. Additional components can be added to handle more specialized heavy-duty repair jobs. Ram provides 20 ton push, 13-1/2 ton pull.

Push and Pull Threaded Equipment

C-21 20 Ton Push and Pull JackIt Includes:

Model	Description	Qty.
A-203	3" Threaded Tube	1
A-206	6" Threaded Tube	1
A-2009-1	Chain Attachment	2
A-2012	12" Threaded Tube	1
A-2018	18" Threaded Tube	1
A-2024	24" Threaded Tube	1
A-2027	Spc. Reinforcing Coupling	1
A-2028	Coupling	2
A-2035	90° Concave Head	1
A-2037	Base	1
A-2041	Body Toe	1
A-2071	Spreader Head	1
B-11	Wooden Chest	1
CH-208	8' Chain With Hook	2
U-2037	Ram Cap	1
U-10120	6' Hose	2
UP-10	Push and Pull Pump	1
UR-20	20 Ton Push, 13-1/2 Ton Pull Ram	1



C-21 20 Ton Push and Pull JackIt Order Part Code 41500

Refer to Pump, Ram and Attachment sections for additional work-saving equipment.

PUMP, RAM AND HOSE SETS

Hein-Werner Pump, Ram and Hose Sets provide concentrated remote control hydraulic force for a multitude of lifting, bending, pressing, spreading, moving, leveling and clamping jobs. Sprint and Pushmaster sets include quick-couplers at the ram. (Refer to pump and ram sections for individual product features and specifications.)



Model	Part Code	Capacity (Tons)	Type	Pump	Ram	Hose (6' long)	Ram Cap	Shipping Wgt. (lbs.)
—	65960	4	Sprint	63752	63753	63754C	—	15
F-4	05740	4	Pushmaster	FP-4	FR-4.10	F-4120C	U-437-1	13
J-4	62689	4 Push, 2 Pull	Push and Pull	UP-4	UR-4	U-4120C	U-437-1	20
—	65100	10	Sprint	64857	64853	64858	—	23.6
—	65237	10	Sprint/Air	64367	64853	60537	—	29.9
F-10	05730	10	Pushmaster	FP-10-1	FR-10	F-10120C	U-1037-2	28
F-10.5	05746	10	Pushmaster	FP-10-1	FR-10.5-1	F-10120C	U-1037-2	22
F-10A	62314	10	Pushmaster/Air	64367	FR-10	F-10120C	U-1037-2	29
J-10	62678	10 Push, 6-1/4 Pull	Push and Pull	UP-10	UR-10	U-10120C	U-1037-2	36
J-10G*	62676	10 Push, 6-1/4 Pull	Push and Pull	UP-10	UR-10	U-10120C	U-1037-2	38
F-20	05725	20	Pushmaster	FP-10-1	FR-20	F-10120C	U-2037	43
J-20	62684	20 Push, 13-1/2 Pull	Push and Pull	UP-10	UR-20	U-10120C	U-2037	44
J-20G†	62682	20 Push, 13-1/2 Pull	Push and Pull	UP-10	UR-20	U-10120C	U-2037	46
F-30	05690	30	Pushmaster	FP-30-1	FR-30	F-10120C	—	58
F-30.5	05499	30	Pushmaster	FP-30-1	FR-30.5-1	F-10120C	—	32
F-60	61212	60	Pushmaster	FP-60-1	FR-60	F-10120C	—	105

* Model J-10G is a J-10 equipped with a Part Code 22317 gauge, 3-1/2" dia. gauge reads 10 ton in 1 ton increments for push mode, 6-1/2 ton in 1/2 ton increments for pull mode, and 10,000 psi in 200 psi increments.

† Model J-20G is a J-20 equipped with a Part Code 22662 gauge, 3-1/2" dia. gauge reads 20 ton in 1 ton increments for push mode, 13-1/2 ton in 1 ton increments for pull mode, and 10,000 psi in 200 psi increments.

WARNING: The load capacity of this equipment is significantly affected by the type and number of attachments and/or extensions used. Study, understand and follow all operating instructions provided with the product.

HYDRAULIC PUMPS

Hand Pumps

Hein-Werner Sprint, Pushmaster, and Push and Pull pumps feature bronze piston guides and spring loaded pumping valves for better performance and longer service. Automatic overload valves in each pump prevent damage to rams and equipment.

Sprint pumps have chrome-plated pistons for rust prevention and extended seal life.

All Pushmaster pumps feature removable threaded handles. Models FP-30-1 and FP-60-1 have twin

handle sockets enabling the pump to be operated with the handle in either the horizontal or vertical position.

Both the FP-30-1 and FP-60-1 are equipped with two-stage pistons to extend rams rapidly for quicker load contact. Large piston relieves automatically once load is contacted.

Push and Pull pumps can be operated in any position without becoming airborne.



Part Code 63752
8300 PSI Capacity



Model FP-4
Part Code 48672
7000 PSI Capacity



Part Code 64857
8600 PSI Capacity



Model FP-10-1
Part Code 60085
10,000 PSI Capacity



Model FP-30-1
Part Code 61873
10,000 PSI Capacity



Model UP-4
Part Code 48671
7000 PSI Capacity



Model UP-10
Part Code 48650
8000 PSI Capacity

Hand Pump Specifications

Model	Sprint 4 Ton	FP-4	Sprint 10 Ton	FP-10-1	FP-30-1	FP-60-1	UP-4	UP-10
Part Code	63752	48672	64857	60085	61873	61886	48671	48650
Type	Sprint	Pushmaster	Sprint	Pushmaster	Pushmaster	Pushmaster	Push/Pull	Push/Pull
PSI	8300	7000	8600	10000	10000	10000	7000	8000
Usable Oil Cap. (cu in.)	13.6	14	17	37	91	117	9.7	22.8
Pump Piston Dia.	1/2"	3/8"	1/2"	7/16"	Large 1-3/8" Small 1/2"	Large 1-3/8" Small 1/2"	3/8"	1/2"
Pump Stroke	3/4"	7/8"	3/4"	1"	1"	1"	3/4"	13/16"
Oil Delivery/ Stroke (cu. in.)	.15	.097	.15	.150	Large 1.5 Small .2	Large 1.5 Small .2	.083	.159
Port Size	1/4" NPT	1/4" NPT	1/4" NPT	3/8" NPT	3/8" NPT	3/8" NPT	1/8" NPT	1/4" NPT
Handle Length	13-1/2"	12-1/2"	14-1/2"	21"	21-1/2"	22"	15-1/2"	18"
Overall Length	15"	14"	16"	23"	23-1/2"	24"	20-1/2"	25"
Weight (lbs.)	8	6	8	14	26	28	11	17
Recommended for use with these rams	FR-4.5-1 FR-4.10 64314 63753 63755 63756	FR-4.5-1 FR-4.10 64314, 63753 63755, AA446	FR-4.5-1 FR-4.10 64344, 63753 63755, 63754 64373, 64853 64854, 64856 FR-10 FR-10.5-1 FR-11	FR-10 FR-10.5-1 FR-10.16 FR-20 FR-30, .5-1 HR-10, HR-20 HR-30 AA-1048 64373, 64853 64854, 64856 FR-11 FR-11.16 FR-25	FR-20.19-1 FR-30, HR-60 FR-25.14 FR-55	FR-60	UR-4	UR-10 UR-20

HYDRAULIC PUMPS



64367 10,000 PSI
Air/Hydraulic Pump
Weight 15 lbs.



64366 10,000 PSI
Air/Hydraulic Pump
& Hose Set
Weight 18.5 lbs.

64366 Pump and Hose Set includes 64367 pump, 60537 6' hose, and 61896 reducer adapter for coupling to 4 ton rams.



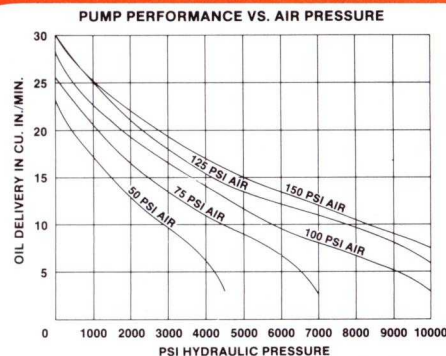
6' HOSE — Part Code 60538
COMPLETE COUPLER — Part Code 67025
HOSE HALF COUPLER ONLY — Part Code 67023
RAM HALF COUPLER ONLY — Part Code 67024

Air/Hydraulic Pump

Efficient, reliable and quiet, this 10,000 PSI Air/Hydraulic pump saves time and effort.

Features:

- Built-in overload circuit - protects equipment.
- Holds pressure even when air supply is removed.
- Foot actuated and released - keeps hands free for set-up.
- Requires only 90 PSI air pressure to develop full ram force when used with Sprint rams.
- Feet are drilled for convenient mounting.
- Reservoir capacity - 33 cu. in.
- Useable oil capacity - 22 cu. in.



Electric Motor Pump

Fast, efficient hydraulic flows to meet the most demanding job requirements. Ideal for hydraulic shop presses, heavy-duty truck axle correction racks, etc.

Features:

- 10,000 PSI capacity two-stage hydraulic system. First stage gear pump for fast take-up to contact the load. Second stage radial piston design for full 10,000 PSI power.
- External adjustable relief valve for pre-setting operating pressure.
- Internal factory-set relief valve for overload protection.
- Low noise level meets OSHA standards.
- 1/2 HP capacitor-start motors start even under full load.
- Available with 2, 3 or 4 way control valve.

Specifications

Motor 1/2 HP 115/230 volts, 60 cycle,
Single phase, 1725 RPM induction type
Flow (cu. in./min.) 350 @ 500 PSI
20 @ 10,000 PSI
Useable oil capacity 2 gals.
Reservoir capacity 2.5 gals.
Shipping weight 90 lbs. (includes oil)

1/2 HP ELECTRIC MOTOR PUMP W/2 WAY VALVE — Order Part Code 66313
1/2 HP ELECTRIC MOTOR PUMP W/3 WAY VALVE — Order Part Code 66314
1/2 HP ELECTRIC MOTOR PUMP W/4 WAY VALVE — Order Part Code 66315
USE ONLY HEIN-WERNER MOTOR PUMP OIL — Order Part Code 66100

HYDRAULIC RAMS

Hydraulic Rams

Hein-Werner rams provide hydraulic force for a variety of lifting, pushing, spreading, pressing, bending and clamping operations. Ranging in capacity from 4 to 60 tons, the broad range of sizes and styles provide the right tool for everything from light general maintenance to heavy-duty truck axle and frame straightening. Pushmaster and Sprint rams feature positive overtravel stops, large bronze guides, ground ram plungers, polished cylinder walls, and long-wearing seals. Sprint ram plungers are chrome plated for extended life. All rams (except Sprint) include ram caps and each ram is equipped with the ram half of quick-coupler.



Sprint and Pushmaster Ram Specifications

Model	Part Code	Capacity (Tons)	Closed Height	Stroke	Extended Height	Outside Dia.	Ram Head Thread	Collar Thread	Base Thread	Oil Capacity (Cu. In.)	Effective Ram Area (Sq. In.)	PSI at Capacity	Spring Return	Weight
—	63755	4	4-3/4"	2-7/8"	7-5/8"	1-5/8"	—	—	—	2.6	1.2	6520	No	2.5
—	63753	4	10-13/16"	5"	15-13/16"	1-1/2"	—	1-1/2"-16	—	—	1.0	8050	Yes	3.9
—	64853	10	13-3/4"	6"	19-3/4"	2-1/4"	—	2-1/4"-14	—	14.5	2.4	8335	Yes	11.9
—	64856	5	23-1/2"	6"	29-1/2"	2-1/4"	—	2-1/4"-14	—	7.5	1.2	8050	Yes	14.6
FR-4.5-1	05714	4	4-3/4"	2-7/8"	7-5/8"	1-5/8"	—	—	—	2.6	1.2	6520	No	3
FR-4.10	48661	4	10-1/2"	5"	15-1/2"	1-5/8"	3/4" NPT	1-5/8"-16	3/4" NPT	6.1	1.2	6520	Yes	5
FR-10.5-1	05710	10	4-1/2"	2-1/4"	6-3/4"	2-1/4"	1-1/4" NPT	2-1/4"-14	—	5	2.0	9645	Yes	6
FR-10	48660	10	11-3/4"	6"	17-3/4"	2-1/4"	1-1/4" NPT	2-1/4"-14	1-1/4" NPT	12	2.0	9645	Yes	12
FR-10.16	48664	10	15-3/4"	10"	25-3/4"	2-1/4"	1-1/4" NPT	2-1/4"-14	1-1/4" NPT	20	2.0	9645	Yes	16
FR-11	66802	11	11-3/4"	6"	17-3/4"	2-1/4"	1-1/4" NPT	—	1-1/4" NPT	13.2	2.2	10000	Yes	12
FR-11.16	66800	11	15-3/4"	10"	25-3/4"	2-1/4"	1-1/4" NPT	—	1-1/4" NPT	22.0	2.2	10000	Yes	16
FR-20	48659	20	11-1/2"	5"	16-1/2"	3-3/8"	2" NPT	3-5/16"-12	2" NPT	22	4.4	9030	Yes	23
FR-20.19	48665	20	19-1/2"	13"	32-1/2"	3-3/8"	2" NPT	3-15/16"-12	2" NPT	57	4.4	9030	Yes	40
FR-25	66798	25	12"	6"	18"	3-5/16"	2" NPT	3-15/16"-12	2" NPT	29.4	4.9	10000	Yes	24
FR-25.14	66796	25	19-1/2"	13-1/2"	33"	3-5/16"	2" NPT	3-15/16"-12	2" NPT	66.3	4.9	10000	Yes	41
FR-30.5-1	48666	30	4-3/4"	2-1/4"	7"	3-3/4"	—	—	—	15	6.5	9250	No	14
FR-30	48689	30	10-1/2"	6"	16-1/2"	4"	—	—	—	42	7.0	8490	Yes	33
FR-55	66794	55	10"	5.5"	15-1/2"	4-3/4"	—	—	—	60.5	11.0	10000	Yes	42
FR-60	48688	60	11"	6"	17"	5-1/4"	—	—	—	75	12.5	9550	Yes	57

WARNING: Always center load on ram plunger saddle.

HYDRAULIC RAMS



Model HR-10
Part Code 62516
10 Ton Capacity



Model HR-20
Part Code 62523
20 Ton Capacity



Model HR-30
Part Code 62464
30 Ton Capacity



Model HR-60
Part Code 62530
60 Ton Capacity

Hollow Rams. Versatile Hein-Werner hollow rams provide compact pushing on pulling force for a wide range of applications. Used with puller attachments, for example, they save valuable time in removing and installing bearings, gears, hubs, etc. All hollow rams are equipped with an internal return spring and ram half quick coupler. Model HR-10 includes a snap-in ram cap. Models HR-20, HR-30 and HR-60 include a ram cap plus a smooth and a threaded insert for extra versatility.

Hollow Ram Specifications

Model	Part Code	Capacity (Tons)	Closed Height	Stroke	Extended Height	Outside Dia.	Center Hole Dia.	Effective Ram Area (Sq. In.)	Oil Capacity (Cu. In.)	PSI at Capacity	Mtg. Hole Span & Thd. Size	Threaded Insert	Weight (Lbs.)
HR-10	62516	10	5-1/4"	2-1/16"	7-5/16"	2-5/8"	5/8"	2.76	5.7	7220	—	—	7
HR-20	62523	20	6-3/8"	2-1/16"	8-7/16"	3-3/4"	1-1/16"	4.73	9.7	8460	2-5/8" Span 5/16"-18 Thrd.	1"-8 Thrd.	15
HR-30	62464	30	7"	2-1/2"	9-1/2"	4-3/8"	1-5/16"	7.22	18.0	8310	3" Span 3/8"-16 Thrd.	1-1/4"-7 Thrd.	21
HR-60	62530	60	9-1/8"	3-1/2"	12-5/8"	6-1/4"	2-1/8"	13.67	47.8	9450	4-3/4" Span 1/2"-13 Thrd.	1-5/8"-5-1/2 Thrd.	56



Model UR-4
Part Code 62687
Capacity: 4 Ton Push
2 Ton Pull



Model UR-10
Part Code 62674
Capacity: 10 Ton Push
6-1/4 Ton Pull



Model UR-20
Part Code 62680
Capacity: 20 Ton Push
13-1/2 Ton Pull

Push and Pull Rams. Unique double-acting Push and Pull rams feature positive overtravel stops, ground ram plungers, polished cylinder walls and long wearing seals. Rams are furnished with ram cap.

Model	Part Code	Capacity	Closed Height	Stroke	Extended Height	Effective Ram Area (Sq. In.)	Oil Capacity (Cu. In.)	PSI at Capacity	Ram Collar Thread	Base Thread	Weight (Lbs.)
UR-4	62687	4 Ton Push 2 Ton Pull	10"	5"	15"	1.23 Push .64 Pull	6.1	6520	1-5/8"-16	3/4" NPT	7
UR-10	62674	10 Ton Push 6-1/4 Ton Pull	12-1/2"	6"	18-1/2"	3.14 Push 1.91 Pull	18.9	6370	2-3/8"-12	1-1/4" NPT	14
UR-20	62680	20 Ton Push 13-1/2 Ton Pull	12-1/2"	5"	17-1/2"	5.41 Push 3.65 Pull	27.0	7380	3-1/8"-10	2" NPT	23



4 Ton Mini-Ram
Part Code 64314

10 Ton Mini-Ram
Part Code 64373



Mini-Rams. Extra compact design 4 and 10 ton "Mini-Rams" feature positive overtravel stops, high strength steel construction, and include ram half quick-coupler. The 4 ton model has a closed height of 1-1/2", an 11/16" stroke, operates at 8050 PSI and weighs 2 lbs. The 10 ton version weighs 3 lbs., has a closed height of 1-1/2" with a 5/8" stroke, and operates at 10,000 PSI.



AA-446 Hyd. Spreader for 4 Ton Pushmaster
AA-1048 Hyd. Spreader for 10 Ton Pushmaster
63756 Hyd. Spreader for 4 Ton Sprint
64854 Hyd. Spreader for 10 Ton Sprint

Hydraulic Spreaders. Handy hydraulic spreaders are 1 ton capacity and open to 2-3/4". Ram half quick-couplers are included with each model.

4 TON ATTACHMENTS

4 Ton Sprint Tubing Conversion Kit.

Enables use of Sprint "Snap-Lock" tubing with standard Pushmaster rams and attachments.

Order Part Code 65950

65950 Kit Includes:

Part Code	Description	Qty.
63758	3" Tube	2
63759	6" Tube	1
63760	12" Tube	1
63761	18" Tube	2
63762	24" Tube	1
63765	Tube Adapter	2
64111	Male Thrd. Adapter	1
64112	Female Thrd. Adapter	1



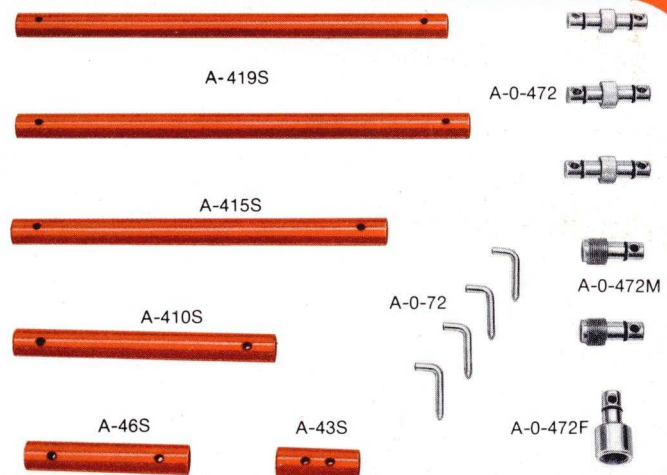
AA-472 10 Ton Quick-Set Tubing Kit. A

complete set of "Quick-Set" tubing, adapters, connectors and lock pins. Converts Pushmaster sets with threaded tubing to "Quick-Set" type. Also ideal as an "Adder Kit" to increase the versatility of existing "Quick-Set" equipment.

Order Part Code 41385

AA-472 Kit Includes:

Model	Part Code	Description	Qty.
A-43S	19994	3" Quick-Set Tube	1
A-46S	19995	6" Quick-Set Tube	1
A-410S	19996	10" Quick-Set Tube	1
A-415S	19997	15" Quick-Set Tube	1
A-419S	19998	19" Quick-Set Tube	2
A-0-72	48491	Lock Pin	4
A-0-472	48473	Snap-In Connector	3
A-0-472F	48472	Female Adapter	1
A-0-472M	48471	Male Adapter	2



4 Ton Sprint Tubing and Connectors



63762 24" Tube



63761 18" Tube



63760 12" Tube



63759 6" Tube



63758 3" Tube



63764 Connector

4 TON ATTACHMENTS

4 Ton Pushmaster Threaded Tubing and Connectors



A-419 19" Tube



A-46
6" Tube



A-428
Coupling



A-415 15" Tube



A-427
Sp. Reinforcing
Coupling



A-43
3" Tube



A-410 10" Tube



A-496
Male
Connector

4 Ton "Quick-Set" Tubing and Connectors



A-419S 19" Tube



A-46S
6" Tube



A-0-472
Snap-In Connector



A-415S 15" Tube



A-43S
3" Tube



A-0-72
Lock Pin



A-410S 10" Tube

4 Ton Adapters



63765 Sprint Ram
Adapter. Adapts
threaded attachments
for use with Sprint
rams and tubing.



64111 Male Thread
Adapter. Adapts
threaded attachments
to female Sprint tubing
and rams.



A-0-472F Female
Adapter. Adapts male
threaded tubing and
rams to "Quick-Set"
tubing.



64112 Female Thread
Adapter. Adapts
threaded tubing and
rams to Sprint
attachments.



A-0-472M Male
Adapter. Adapts
threaded attachments
to "Quick-Set" tubing.

4 Ton Sprint "Snap-Lock" Attachments and Accessories



63763
Flat Base



63767
Flex Head



63771
Ram Toe



63770
Plunger Toe



63769
Wedge Head



63768
Combination Head



63772
Chain Attachment



63773
5' Hi-Test Chain



63766
Saddle



63757
Self-Tightening
Clamp



64852
Self-Grip Clamp

4 Ton Pushmaster/Push and Pull Attachments and Accessories



A-458
Flat Head



CH-45
5' Chain



A-409
Chain
Attachment



AA-443
Self-Grip Clamp



A-471
Spreader
Head



A-465
Body Toe



A-435
90° Concave
Head



U-437-1
Ram Cap



A-464
Ram Toe



A-434
Crowned
Dolly



A-50
Offset Head



A-461
Pull Toe



A-437
Base



A-438
V-Head



AA-463
3" Rubber
Head



AA-41
Mechanical
Spreader

10 TON ATTACHMENTS

10 Ton *Sprint* Tubing Conversion Kit.

Enables use of Sprint "Snap-Lock" tubing with standard Pushmaster rams and attachments.

Order Part Code 66760

66760 Kit Includes:

Part Code	Description	Qty.
64830	6" Tube	2
64831	12" Tube	1
64832	18" Tube	2
64833	28" Tube	1
64846	Male Adapter	1
64847	Female Adapter	1
64836	Tube Adapter	2



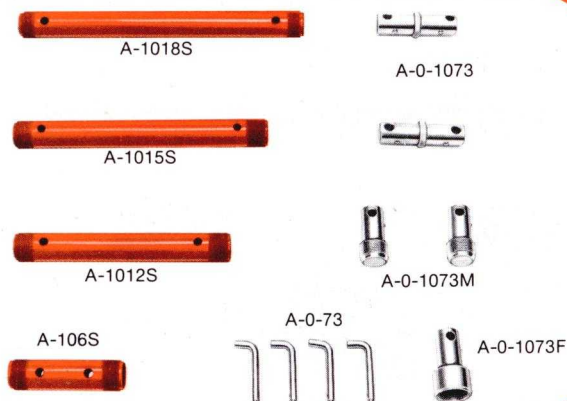
AA-1073 10 Ton "Quick-Set" Tubing Kit.

A complete set of "Quick-Set" tubing, adapters, connectors and lock pins. Converts Pushmaster sets with threaded tubing to "Quick-Set" type. Also ideal as an "Added Kit" to increase the versatility of existing "Quick-Set" kits.

Order Part Code 41305

AA-1073 Kit Includes:

Model	Part Code	Description	Qty.
A-106S	40090	6" Quick-Set Tube	1
A-1012S	40395	12" Quick-Set Tube	1
A-1015S	40410	15" Quick-Set Tube	1
A-1018S	40420	18" Quick-Set Tube	1
A-0-73	48469	Lock Pin	4
A-0-1073	48493	Snap-In Connector	2
A-0-1073F	48494	Female Adapter	1
A-0-1073M	48495	Male Adapter	2

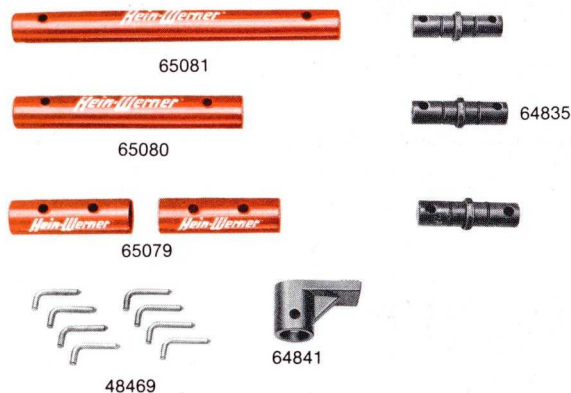


10 Ton *Sprint* Pull Tube Kit. Expands the capability of the 64856 Sprint Pull Ram. Kit includes extension tubes and connectors plus an extra pull toe for clamping.

Order Part Code 66816

66816 Kit Includes:

Part Code	Description	Qty.
65079	6" Pull Tube	2
65080	12" Pull Tube	1
65081	18" Pull Tube	1
64835	Connector	3
64841	Pull Toe	1
48469	Lock Pin	8



Sprint Pull Kit. Sprint Pull Ram provides 5 tons of pulling force. A complete set of tubing and pulling accessories. The perfect addition to the 10 Ton Sprint Basic Kit, or can be used with FP-10-1 Pushmaster Pump.

Order Part Code 66761

66761 Kit Includes:

Part Code	Description	Qty.
64856	5 Ton Pull Ram	1
65079	6" Pull Tube	2
65080	12" Pull Tube	1
65081	18" Pull Tube	1
48469	Lock Pin	8
64835	Connector	4
64844	6' Chain	2
64841	Pull Toe	2
64852	Self-Tightening Clamp	2
64842	Ram Toe	1



64844



64841



64835



64856



65079



65080



65081



48469



64852



64842

10 Ton Sprint Tubing and Connectors



64833 28" Tube



64834
12" Adjustable Extension



64832 18" Tube



65081
18" Pull Tube



64831 12" Tube



65080
12" Pull Tube



64830
6" Tube



64835
Connector



65079
6" Pull Tube



A-0-73
Lock Pin

10 TON ATTACHMENTS

10 Ton Pushmaster Threaded Tubing and Connectors



A-1018
18" Tube



A-1015
15" Tube



A-1012
12" Tube



A-106
6" Tube



A-103
3" Tube



A-1027
Spc. Reinforcing
Coupling



A-1028
Coupling



A-1096
Male
Connector

10 Ton "Quick-Set" Tubing and Connectors



A-1018S
18" Tube



A-1015S
15" Tube



A-1012S
12" Tube



A-106S
6" Tube



A-0-1073
Connector



A-0-73
Lock Pin

10 Ton Adapters



64836 Sprint Ram Adapter.
Adapts threaded
attachments for use with
Sprint rams and tubing.



64846 Male Thread
Adapter. Adapts threaded
attachments to female
Sprint tubing and rams.



A-0-1073F Female Adapter.
Adapts male threaded
tubing and rams to
"Quick-Set" tubing.



64855 Ram Adapter.
Adapts 10 ton Sprint
tubing and attachments to
FR-10.5-1 rams.



A-10.5 Threaded Adapter.
Adapts Pushmaster
threaded attachments and
tubing to FR-10.5-1 rams.

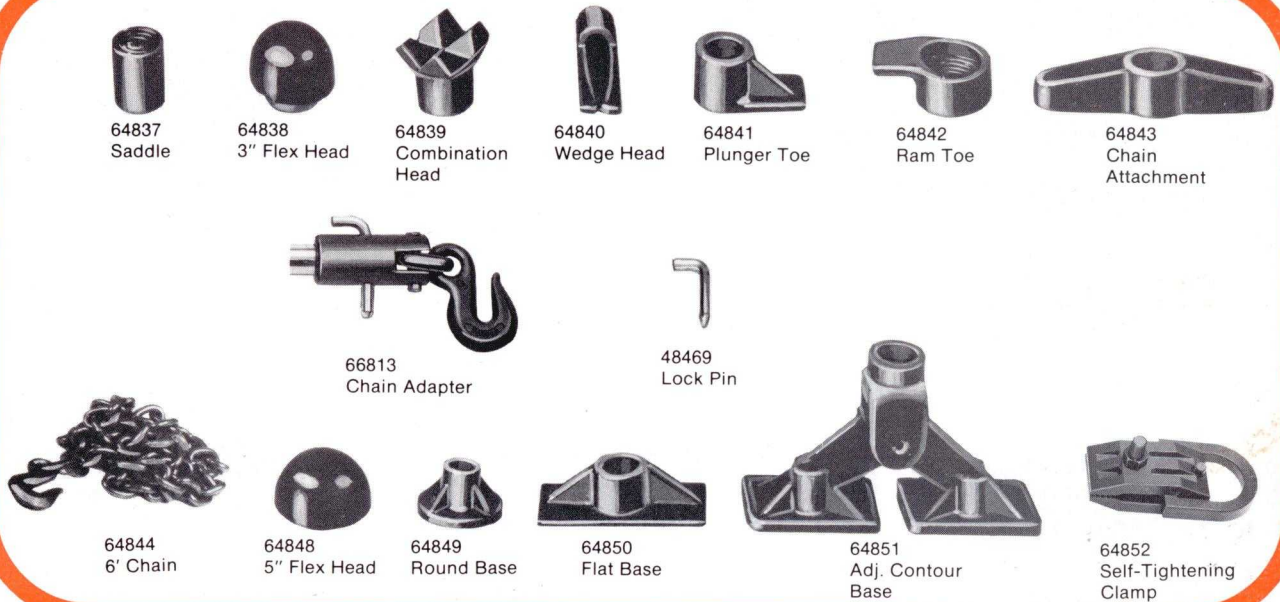


64847 Female Thread
Adapter. Adapts threaded
tubing and rams to Sprint
attachments.

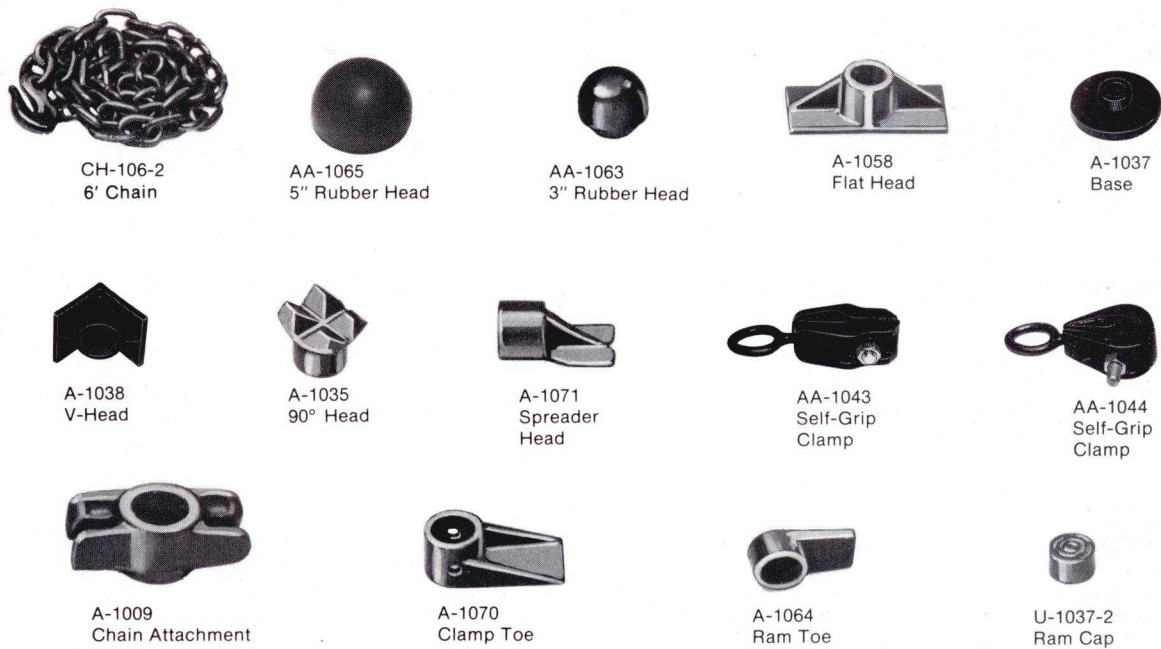


A-0-1073M Male Adapter.
Adapts threaded
attachments to
"Quick-Set" tubing.

10 Ton Sprint "Snap-Lock" Attachments and Accessories



10 Ton Pushmaster/Push and Pull Attachments and Accessories



10 TON ATTACHMENTS

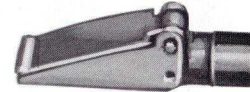
10 Ton Pushmaster Attachments and Accessories. (For Pushmaster equipment only.)



A-1047
Chain Attachment



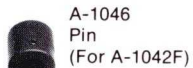
A-1041F
Body Toe



AA-101F
Mechanical
Spreader



A-1042F
4" x 6" Clamp



A-1046
Pin
(For A-1042F)



AA-1072
3" Pin Assembly
(For A-1042F)



A-1045F
Offset Head



FA-1037
Ram Cap
(For FR-10.5-1 Ram)

10 Ton Push and Pull Attachments and Accessories. (For Push and Pull equipment only.)



A-1008
Chain Attachment



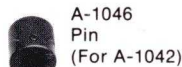
A-1041
Body Toe



AA-101
Mechanical
Spreader



A-1042
4" x 6" Clamp



A-1046
Pin
(For A-1042)



AA-1072
3" Pin Assembly
(For A-1042)



A-1045
Offset Head



A-1061
Pull Toe

20 TON ATTACHMENTS

20 Ton Pushmaster Threaded Tubing and Connectors



A-203
3" Tube



A-206
6" Tube



A-2018
18" Tube



A-2036
36" Tube



A-2012
12" Tube



A-2024
24" Tube



A-2027
Spc. Reinforcing
Coupling



A-2028
Coupling

20 Ton Pushmaster/Push and Pull Attachments and Accessories



A-2038
Round Head



A-2037
Base



A-2071
Spreader
Head



A-2035
90° Head



CH-208
8' Chain



U-2037
Ram Cap



A-2009-1
Chain Attachment



A-2047
Large Chain
Attachment



A-2041F
Body Toe
(Pushmaster
Only)



A-2041
Body Toe
(Push and Pull
Only)

EQUIPMENT STORAGE CHESTS



Part Code 63774
Metal Chest

Sturdy metal chest measures 26" wide, 8-1/4" deep and 8-1/2" high inside and has a removeable tray with handle. Two hasps for locking cover included.



Model B-11
Part Code 40920
Wooden Chest

Durable wooden chest has three internal compartments and a metal hasp for locking. Inside dimensions are 25-1/4" wide, 15" deep, and 7" high.



Part Code 64845
Wooden Chest

Two compartment wooden chest measures 31" wide, 12-3/4" deep and 8-1/4" high inside. Metal hasp for locking included. Features carrying handles and "off floor" design.



Model B-10
Part Code 40910
Open Shelf Stand

Three shelf stand rolls to the job — puts tubes and attachments at your fingertips. Stand measures 30" wide, 18" deep and 33-1/4" high. Heavy-duty steel construction. Wheels are 3" diameter. (Product not included.)



Model RK-10
Part Code 20816
Metal Chest

Special metal chest features three compartments plus metal clips for holding tubing. Cover has hasps to facilitate locking. Inside dimensions are 23-3/4" wide, 10" deep and 4-1/2" high. (Product not included.)

HYDRAULIC OIL

Hydraulic Oil. Hein-Werner Hydraulic Oil gives the demanding professional the same high quality Hein-Werner builds into every product. This specially formulated oil is parafin based, and has a stable viscosity over a wide range of temperatures. Other features include:

- Anti-foaming.
- Anti-wear.
- Improves seal life.
- Rust inhibiting.
- Pour point - 35° F.



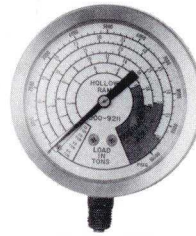
Part Code 60179
Gallon Container
(Packed 4/Ctn)



Part Code 60180
Quart Container
(Packed 12/Ctn)

GAUGES AND ADAPTERS

Hydraulic Gauges are used to measure the load on the ram. Hein-Werner gauges feature stainless steel and anodized aluminum construction, and are accurate to within $\pm 1\%$. Large 3-1/2" diameter face provides easy reading.



Hollow Ram Gauge



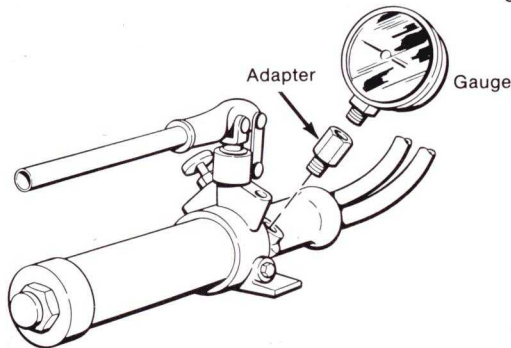
Typical Pushmaster Gauge



4 Ton and 20 Ton Sprint Gauge

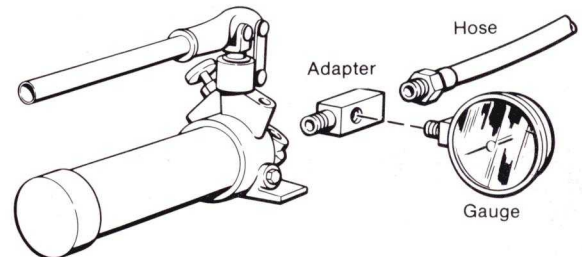


Typical Push and Pull Gauge



Direct Gauge Mounting

For all Pushmaster and Push and Pull pumps. All direct mounting applications require Part Code 45690 adapter.



Inline Gauge Mounting

For all Pushmaster pumps, inline mounting applications require FA-27 adapter. For 4 ton and 10 ton Sprint pumps, inline mounting applications require 66766 adapter.

Gauge Specifications

65226 4 and 10 Ton Sprint Gauge

Scale Reads: 0-4 ton in 1/2 ton increments
0-10 ton in 1 ton increments
0-10,000 PSI in 200 PSI increments

63445 Hollow Ram Gauge

Scale Reads: 0-10 ton, 0-20 ton, 0-30 ton and 0-60 ton, all in 1 ton increments
0-10,000 PSI in 200 PSI increments

Model FG-30, Part Code 62641

4, 10 and 20 Ton Pushmaster Gauge

Scale Reads: 0-4 ton in 1/4 ton increments
0-10 ton in 1/2 ton increments
0-20 ton in 1 ton increments
0-10,000 PSI in 200 PSI increments

Model FG-31, Part Code 62640

30, 60 and 100 Ton Pushmaster Gauge

Scale Reads: 0-30 ton, 0-60 ton and 0-100 ton, all in 1 ton increments
0-10,000 PSI in 200 PSI increments

22317 10 Ton Push and Pull Gauge

Scale Reads: 0-6-1/4 ton pull in 1/2 ton increments
0-10 ton push in 1 ton increments
0-10,000 PSI in 200 PSI increments

22662 20 Ton Push and Pull Gauge

Scale Reads: 0-13-1/2 ton pull in 1 ton increments
0-20 ton push in 1 ton increments
0-10,000 PSI in 200 PSI increments

Gauge Adapters



Part Code 45690
Direct Mtg.
Adapter
1/4" x 1/4" pipe threads.



Part Code 66766
Inline Mtg. Adapter
For 4 and 10 Ton Sprint pumps. 1/4" x 1/4" pipe threads, 1/4" NPT gauge port.



Model FA-27
Part Code 47435
Inline Mtg.
Adapter
For Pushmaster and Push and Pull pumps. 3/8" x 3/8" pipe threads, 1/4" NPT gauge port.

HOSES, FITTINGS



Hoses

Hein-Werner hoses are furnished in 6' lengths and are available with or without hose half of quick-coupler. Coupler halves and complete couplers are also available separately. All hoses equipped with male ends.

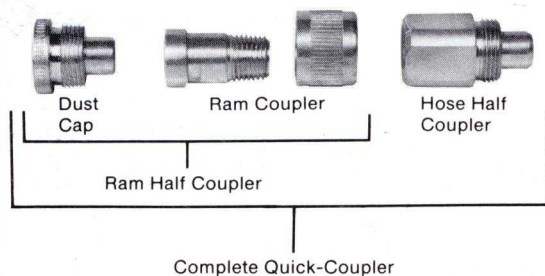
6' Hose For Use With This Equipment	Hose With Quick-Coupler Half		Hose Only		Spring Guard	Hose End Fitting	Recommended Operating Pressure
	Model	Part Code	Model	Part Code			
4 Ton Sprint	—	63754	—	63801	Both ends	1/4" NPTF	10,000 PSI
10 Ton Sprint	—	64858	—	63801	Both ends	1/4" NPTF	10,000 PSI
4 Ton Pushmaster	F-4120C	60535	F-4120	60536	Both ends	1/4" NPTF	7,000 PSI
10 and 20 Ton Pushmaster	F-10120C	60537	F-10120	60538	Both ends	3/8" NPTF	10,000 PSI
4 Ton Push and Pull ^①	—	—	—	62695	One end	(1) 1/8" NPTF (1) 1/4" NPTF	7,000 PSI
10 Ton Push and Pull ^②	—	—	F-4120	60536	Both ends	1/4" NPTF	7,000 PSI

^①For old style rams with built-in hose guard, use U-4120, Part Code 60533 hose. Same as 62695 except no spring guards.

^②For old style rams with built-in hose guard, use U-10120, Part Code 60534 hose. Same as 60536 except no spring guards.

Quick Couplers

Typical Quick-Coupler



3/8" NPTF Complete Coupler - Order Model FC-3

Ram half only - Order Model FC-3R

Hose half only - Order Model FC-3H

1/4" NPTF Complete Quick-Coupler - Order Model FC-4

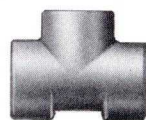
Ram half only - Order Model FC-4R

Hose half only - Order FC-4H

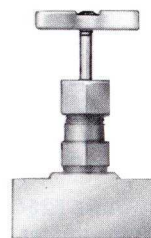


AR-4
Reducer Adapter
Adapts 3/8" hose
half coupler to 1/4"
ram half coupler.

High Pressure Fittings



Model FA-22
3/8" x 3/8" x 3/8"
NPTF Tee



Model FA-23
3/8" NPTF
Shut-Off Valve
Provides flow control
or complete shut-off.



Model
FA-28
3/8" NPTF
Close
Nipple



FA-29
3/8" x 1/4" NPTF
Reducer Bushing



FA-25
3/8" NPTF
Coupler

AUTOBODY CORRECTION ACCESSORIES

Hein-Werner Pulling Clamps feature heat-treated steel construction with precision milled jaws for maximum biting capability. Custom angled teeth help prevent secondary damage.



Pull-Grippers

Model PG-200 - 2" Pull-

Gripper

Order Part Code 66850

Model PG-250 - 2-1/2" Pull-

Gripper

Order Part Code 66851

Model PG-350 - 3-1/2" Pull-

Gripper

Order Part Code 66852



Heavy-Duty Clamps

Model PC-250 - 2-1/2" Pull-

Clamp

Order Part Code 66853

Model PC-350 - 3-1/2" Pull-

Clamp

Order Part Code 66854



2" Bullhead Clamp

Model PC-200

Built-in stops facilitate angle pulls.

Order Part Code 66856

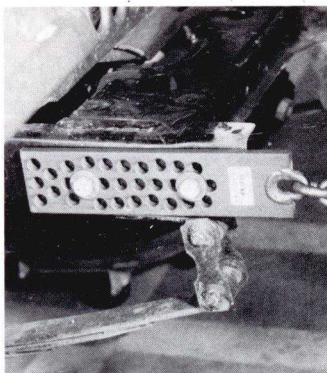


Pull-Clamp Attachment

Model PC-500 - For use with PC-350 Pull-Clamp to make two direction pulls.

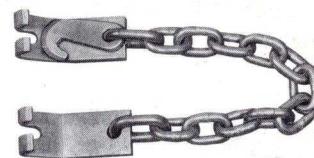
Order Part Code 66855

Hein-Werner Pulling Accessories provide fast, easy hook-up for a wide variety of pulling applications.



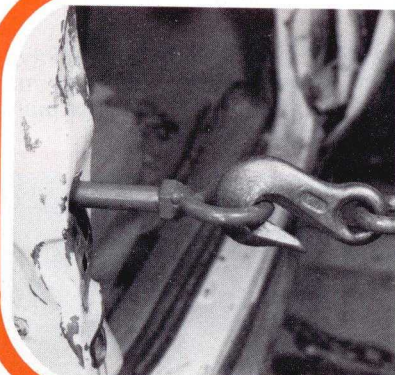
Model PP-30 - 30 Hole Pull-Plate

Order Part Code 66857



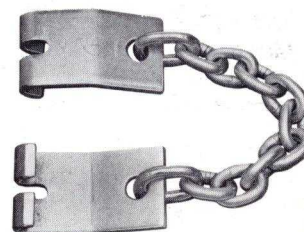
Model CH-100 - Light Duty Bumper Hook and Chain

Order Part Code 66859



Model PP-100 - Heavy-Duty Pull-Plate for sheet metal.

Order Part Code 66858



Model CH-200 - Heavy-Duty Bumper Hook and Chain

Order Part Code 66860

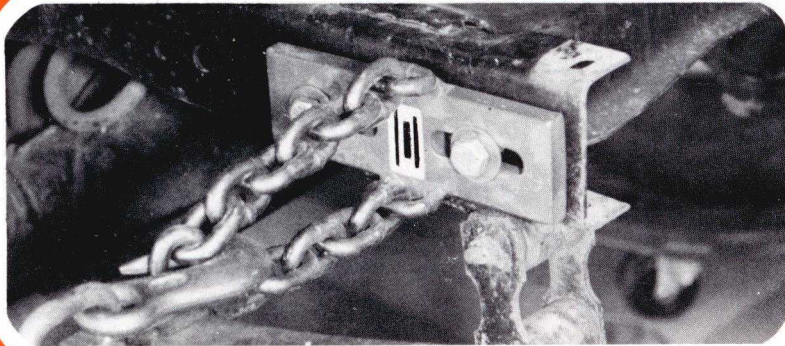
AUTOBODY CORRECTION ACCESSORIES



G-Clamps

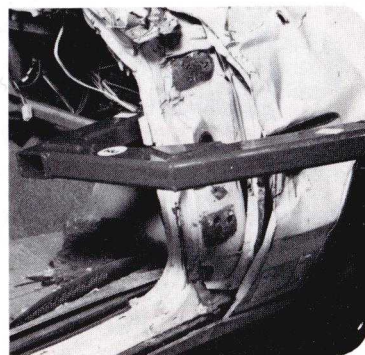
Model GC-100 - Sheet Metal G-Clamp. Max. capacity - 5 ton. 2 ton capacity on pull ring. 1-3/8" jaw opening. Order Part Code 66862

Model GC-200 - Heavy Duty G-Clamp. Max. capacity - 10 ton. 5 ton capacity on pull ring. 3-3/8" jaw opening. Order Part Code 66865



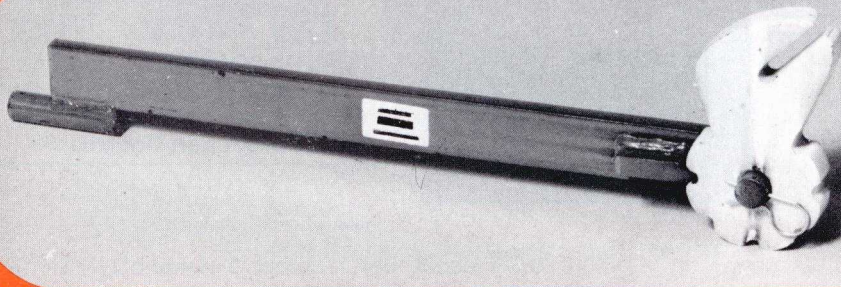
Model BP-100 - Heavy-Duty Backing Plate

Order Part Code 66866



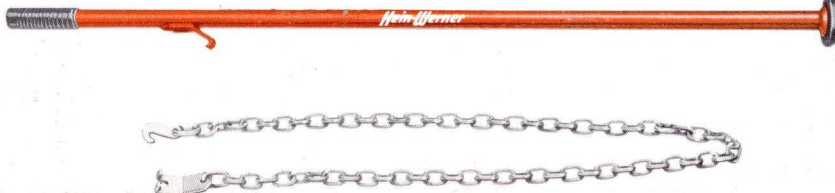
Model RP-100 - Rail Puller

Order Part Code 66861



Model FW-100 - Flange Wrench. For correcting minor flange depressions. Adjustable head allows correction even in confined areas. Order Part Code 66864

Model PS-300 Pogo Stick. Possibly the most versatile, most valuable accessory a body man can own. A super strong arm for pushing or pulling. Order Part Code 66863



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① Order Part Code 67027.

② Order Part Code 67028.

③ Order Part Code 67029.

④ Use Part Code 67026 for replacement cylinder for PR-606 Press.

⑤ Part Code 63766 is saddle with internal threads. Order Part Code 63876 for "Snap-Lock" saddle.

⑥ Part Code 66100 is a 1 gal. container.

MERCHANDISERS

"Show and Sell"

Jack Merchandiser

Bold, colorful, point-of-sale jack display helps boost your jack sales!

This sturdy merchandiser displays our most popular professional model hand jacks and vehicle stands, plus a selection of Hein-Werner Hydraulic Jack Oil.

- Compact design requires only 2' x 3' of floor space. Height is 48".
- Bright 3 color header is silk-screened both sides to allow use as island display.
- Clear plastic pocket holds mini-catalog.
- Quick and easy to assemble.

65963 Merchandiser Package Includes:

- 1 - 60226 E1.7F 1-1/2 Ton Hyd. Hand Jack
- 1 - 60243 E3.9A 3 Ton Hyd. Hand Jack
- 1 - 60278 E5.9A 5 Ton Hyd. Hand Jack
- 1 - 60300 8.9A 8 Ton Hyd. Hand Jack
- 1 - 60330 12.9A 12 Ton Hyd. Hand Jack
- 1 - 14995 20.10AA 20 Ton Hyd. Hand Jack
- 1 - 07310 CS-2.11 2 Ton Vehicle Stands (Pair)
- 1 - 60144 S1.35 1-1/2 Ton Scissors Jack
- 1 - 60179 Hydraulic Oil (Gallon)
- 1 - 60180 Hydraulic Oil (Ctn. of 12 Qts.)
- 1 - 65964 Jack Merchandiser

Product packed in one ctn. 226 lbs.
Display packed in one ctn. 47 lbs.

PLUS . . . 65963 Merchandiser Package also includes a FREE EXTRA MODEL E12.9A!



Extra Sales Muscle!

4 Ton Pushmaster Sprint Display

Extra muscle to boost your sales — that's what you get with this Pushmaster Sprint point-of-purchase display. A complete assortment of 4 ton Sprint equipment, attractively displayed on a sturdy, versatile stand.

Let your customers see all the features of the Sprint system first-hand — lift the compact, lightweight Sprint pump, snap together the Snap-Lock tubing and attachments; feel the extra strength and quality in every piece.

Display can be used free-standing as shown, or wall mounted. Header removes for extra space savings.

But here's the best part! Buy the display assortment, and we'll give you the display stand — absolutely free!

64120 Sprint Display Assortment Includes:

- | | |
|--|-----------------------------------|
| 1 - 63752 Sprint Pump | 1 - 63764 Sprint Connector |
| 1 - 63753 Sprint Ram | 1 - 63765 Sprint Ram Adaptor |
| 1 - 63754 6' Sprint Hose | 1 - 63766 Sprint Saddle |
| 1 - 63755 4 Ton "Shorty" Ram | 1 - 63767 Sprint Flex Head |
| 1 - 63756 Sprint Hydraulic Spreader | 1 - 63768 Sprint Combination Head |
| 2 - 63757 Sprint Self-Tightening Clamp | 1 - 63769 Sprint Wedge Head |
| 2 - 63758 3" Sprint Extension Tube | 1 - 63770 Sprint Plunger Toe |
| 1 - 63759 6" Sprint Extension Tube | 1 - 63771 Sprint Ram Toe |
| 2 - 63760 12" Sprint Extension Tube | 1 - 63772 Sprint Chain Attachment |
| 1 - 63761 18" Sprint Extension Tube | 2 - 63773 5' Hi-Test Chain |
| 1 - 63762 24" Sprint Extension Tube | 1 - 64122 Display Stand |
| 1 - 63763 Sprint Flat Base | |

Product packed in one ctn. 51 lbs.

Display packed in one ctn. 29 lbs.



Part Code 64120
Sprint Display
Assortment

Hein-Werner Corp.
1005 Perkins Ave.
Waukesha, WI 53186

Hein-Werner of Canada Ltd.
55 Mills Rd.
Ajax, Ont. Canada L1S 2H2